US Army Corps of Engineers

Regulatory Branch
1455 Market Street
San Francisco, CA 94103-1398

SAN FRANCISCO DISTRICT

PUBLIC NOTICE

Project: Adobe Creek Upper Reach 5

NUMBER: 400793S DATE: 11/1/07 RESPONSE REQUIRED BY: 12/1/07
PROJECT MANAGER: Paula C. Gill PHONE: (415) 503-6776

1. **INTRODUCTION:**

Subject: The Santa Clara Valley Water District (5750 Almaden Expressway San Jose, CA 95118) has applied for a Department of the Army permit to both install erosion control measures and to improve channel conditions in Adobe Creek, in the City of Los Altos and the Town of Los Altos Hills, Santa Clara County, California.

Authority: This application is being processed pursuant to the provisions of Section 404 of the Clean Water Act (33 U.S.C. Section 1344).

2. **PROPOSED PROJECT:**

Project Purpose: The objectives of the Adobe Creek Upper Reach 5 project would be to (1) restore the creek by repairing the eroded channel; (2) stabilize the creek banks; (3) remove accumulated sediment; (4) increase channel conveyance capacity and to provide increased capacity to accept overland flows from West Fremont Road and West Edith Avenue; and (5) to minimize and avoid environmental and right-of-way impacts to the greatest extent practical.

Project Description: Residents of the City of Los Altos and Town of Los Altos Hills created the Adobe Creek Watershed Group (ACWG) to address issues of flooding, erosion, and habitat loss. The Adobe Creek Upper Reach 5 Collaborative (Collaborative) was formed in 2003 to develop a creek restoration project. The Collaborative includes the ACWG, Santa Clara Valley Water District, City of Los Altos, Town of Los Altos Hills, state and federal resource agencies, as well as other concerned creekside residents. As a result of stakeholder participation in the Collaborative, a preferred alternative was developed and adopted for the flood protection component of the proposed project.

Work would include (1) installation of erosion control structures, (2) excavation to widen the low flow channel, (3) construction of a step pool system, (4) sediment removal, (5) wing wall replacement at the West Edith Avenue Bridge, (6) modification of the Robleda storm drain outlet, and (7) re-vegetation of 0.96 acre with riparian plantings (see enclosed project plans).

The project would require 2,779 cubic yards of fill (255 cubic yards of logs, 1,438 cubic yards of engineered stream bed material, 1,066 cubic yards of rock slope protection, and 20 cubic yards of concrete) and would impact approximately 1,100 linear feet of Adobe Creek. Construction equipment staging for the project would occur in Edith Park. Access to the project area during construction would occur from the existing paved access road on the Los Altos Hills side of W. Edith Avenue Bridge and between residential properties adjacent to Adobe Creek. Additional project information can be found at the following website: www.lahopenspace.com/Adobe5/

3. **COMPLIANCE WITH VARIOUS FEDERAL LAWS:**

National Environmental Policy Act of 1969 (NEPA): The Corps will assess the environmental impacts of the proposed action in accordance with the requirements of the National Environmental Policy Act of 1969 (42 U.S.C. Section 4371 et. seq.), the Council on Environmental Quality's Regulations (40 C.F.R. Parts 1500-1508), and the Corps' Regulations (33 C.F.R. Part 230 and Part 325, Appendix B). Unless otherwise stated, the Environmental Assessment will describe only the impacts (direct, indirect, and cumulative) resulting from activities within the Corps' jurisdiction. The documents used in the preparation of the Environmental Assessment will be on file with the U.S. Army Corps of Engineers, San Francisco District, Regulatory Branch, 1455 Market Street, San Francisco, California 94103-1398.

Endangered Species Act of 1973 (ESA): Section 7 of the Endangered Species Act requires formal consultation with the U.S. Fish and Wildlife Service (FWS) and/or the National Marine Fisheries Service (NMFS) if a Corps permitted project may adversely affect any federally listed species or their designated critical habitat.

According to the Biological Resource Assessment completed for the Adobe Creek Improvement Project, the portion of Adobe Creek within the project area does not provide essential habitat components required by the California red-legged frog. In addition, there are no listed or sensitive fish species expected in the project area. There are no additional federally listed species expected to occur in the project area. The Corps' initial determination is that the proposed action will have no effect on federally listed species.

Magnuson-Stevens Fisheries Conservation and Management Act: Essential Fish Habitat - The Magnuson-Stevens Fishery Conservation and Management Act requires all Federal agencies to consult with the National Marine Fisheries Service (NMFS) on all actions, or proposed actions permitted by the agency that may adversely affect Essential Fish Habitat (EFH). There are no EFH concerns with this proposed project.

Clean Water Act of 1972 (CWA):

a. Water Quality: Under Section 401 of the Clean Water Act (33 U.S.C. Section 1341), an applicant for a Corps permit must first obtain a State water quality certification before a Corps permit may be issued. No Corps permit will be granted until the applicant obtains the required water quality certification. The Corps may assume a waiver of water quality certification if the State fails or refuses to act on a valid request for certification within 60 days after the receipt of a valid request, unless the District Engineer determines a shorter or longer period is reasonable for the State to act.

Those parties concerned with any water quality issue that may be associated with this project should write to the Executive Officer, California Regional Water Quality Control Board, San Francisco Bay Region, 1515 Clay Street, Suite 1400, Oakland, California 94612 by the close of the comment period of this Public Notice.

b. Alternatives: Evaluation of this proposed activity's impact includes application of the guidelines promulgated by the Administrator of the Environmental Protection Agency under Section 404(b)(1) of the Clean Water Act (33 U.S.C. Section 1344(b)). An evaluation has been made by this office under the guidelines and it was determined that the proposed project is water dependent. Seven on-site alternatives for the project have been considered. The project presented in this public notice represents the Least Damaging Practical Alternative.

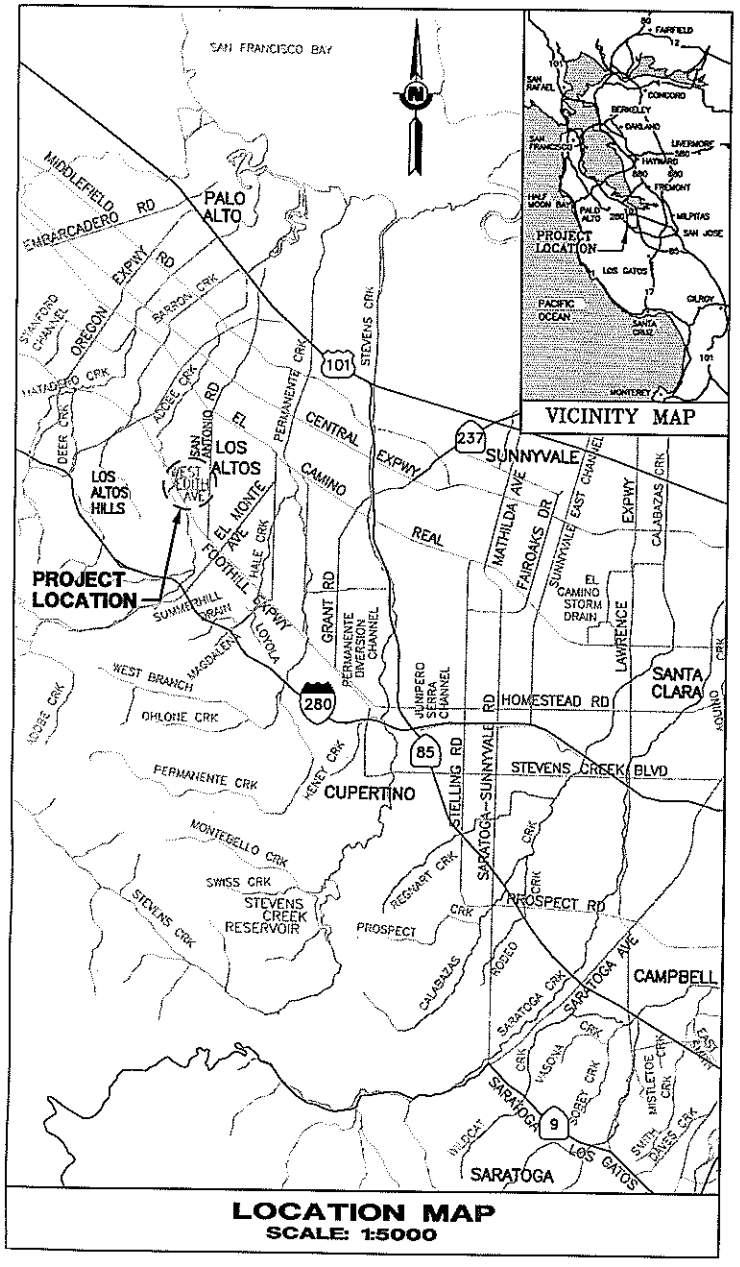
Coastal Zone Management Act of 1972 (CZMA): Section 307 of the Coastal Zone Management Act requires the applicant to certify that the proposed project is consistent with the State's Coastal Zone Management Program, if applicable. The proposed project is not within the Coastal Zone.

National Historic Preservation Act of 1966 (NHPA): Based on a review of survey data on file with various City, State and Federal agencies, no historic or archeological resources are known to occur in the project vicinity. If unrecorded resources are discovered during construction of the project, operations will be suspended until the Corps completes consultation with the State Historic Preservation Office (SHPO) in accordance with Section 106 of the National Historic Preservation Act.

4. **PUBLIC INTEREST EVALUATION:** The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impact, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits that reasonably may be expected to accrue from the proposed activity must be balanced against its reasonably foreseeable detriments. All factors that may be relevant to the proposal will be considered, including its cumulative effects. Among those factors are: conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

5. **CONSIDERATION OF COMMENTS:** The Corps of Engineers is soliciting comments from the public, Federal, State and local agencies and officials, Indian Tribes, and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on federally listed species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest in the proposed activity.

6. **SUBMISSION OF COMMENTS:** Interested parties may submit, in writing, any comments concerning this activity. Comments should include the applicant's name and the number and the date of this Public Notice, and should be forwarded so as to reach this office within the comment period specified on Page 1. Comments should be sent to the U.S. Army Corps of Engineers, San Francisco District, Regulatory Branch, 1455 Market Street, San Francisco, California 94103-1398. It is the Corps' policy to forward any such comments that include objections to the applicant for resolution or rebuttal. Any person may also request, in writing, within the comment period of this Public Notice that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing. Additional details may be obtained by contacting the applicant whose name and address are indicated in the first paragraph of this Public Notice or by contacting Paula Gill of our office at telephone 415-503-6776 or E-mail: Paula.C.Gill@usace.army.mil. Details on any changes of a minor nature that are made in the final permit action will be provided upon request.



MAP AND CONSTRUCTION PLAN

FOR

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

FROM 300 METERS UPSTREAM OF FOOTHILL EXPRESSWAY TO WEST EDITH AVENUE

Santa Clara Valley Water District SM

APPROVED BY:

SAEID S. HOSSEINI — DATE
SENIOR PROJECT MANAGER–CPSD
SANTA CLARA VALLEY WATER DISTRICT

SAEID S. HOSSEINI No. 50828 9/30/07 CIVIL STATE OF CALIFORNIA PROFESSIONAL ENGINEER

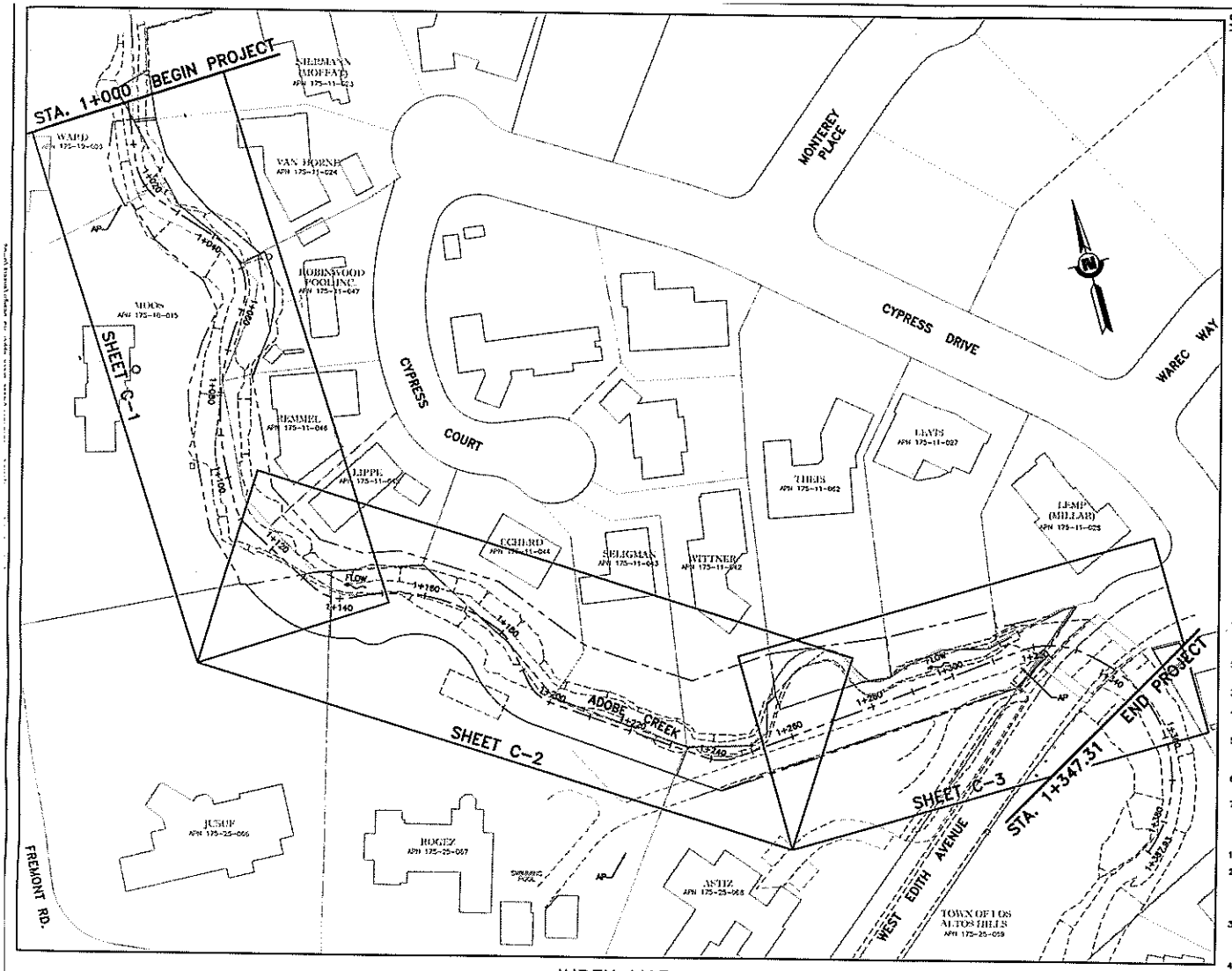
KATHERINE OVEN — DATE
ASSISTANT OPERATING OFFICER–CPSD
SANTA CLARA VALLEY WATER DISTRICT

ACCEPTED BY:

BEAU GOLDIE — DATE
DEPUTY OPERATING OFFICER–WWD
SANTA CLARA VALLEY WATER DISTRICT

60% PRELIMINARY
08-28-07

PROJECT NUMBER
10104011
SHEET CODE:
G-1
PAGE NUMBER:
1 OF 37



INDEX MAP

SCALE: 1:500

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GENERAL NOTES

1. ALL EXISTING FACILITIES, STRUCTURES, TREES, FENCES, LANDSCAPING, ETC., DESIGNATED "EXIST" OR SHOWN EXISTING (DASHED LINES) ARE TO REMAIN, ONLY THOSE SPECIFICALLY DESIGNATED FOR REMOVAL AS SHOWN ON THE DRAWINGS, OR AS DIRECTED BY THE ENGINEER, SHALL BE REMOVED.
2. ALL REFERENCES MADE TO RIGHT OR LEFT AND ALL CROSS-SECTIONS SHOWN ON THE PLANS ARE VIEWED LOOKING UPSTREAM.
3. ELECTRICAL AND TELEPHONE LINES SHOWN ON THE PLANS ARE OVERHEAD FACILITIES, UNLESS NOTED OTHERWISE.
4. LOCATIONS AND DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE BASED ON AVAILABLE INFORMATION FROM THE UTILITY COMPANY AND ARE TO BE CONSIDERED AS APPROXIMATE ONLY.
5. PRIOR TO PERFORMING ANY WORK IN THE VICINITY OF EXISTING UNDERGROUND UTILITIES, THE CONTRACTOR SHALL VERIFY THEIR LOCATIONS AND DEPTHS AND TAKE PROPER PRECAUTIONS TO AVOID ANY DAMAGE TO THEM. CALL UNDERGROUND SERVICE ALERT AT (800) 842-2444 FOR LOCATION.
6. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE STATE WATER RESOURCES CONTROL BOARD FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
7. UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN METERS.

DESIGN NOTES

1. DESIGN DISCHARGE IS: Q = 31.15 CMS (1,100 CFS)
2. MANNINGS ROUGHNESS COEFFICIENT (n) IS AS FOLLOWS WHERE APPLICABLE.
   - A. EARTH CHANNEL = 0.035
   - B. ROCK CHANNEL = 0.040
   - C. REVEGETATION AREAS = 0.060
3. UNIT STRENGTHS FOR REINFORCED CONCRETE ARE AS FOLLOWS:
   - A. CONCRETE F'C MPA = 30 OR AS OTHERWISE SPECIFIED (4,350 PSI)
   - B. STEEL, FY MPA = 420 OR AS OTHERWISE SPECIFIED (60,915 PSI)
4. BASIS OF ELEVATION: NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88) USING S.C.V.W.D. VERTICAL CONTROL. VERTICAL CONTROL BASED ON SCVWD BENCHMARKS BM288, ELEVATION = 56.7660.
5. BASIS OF BEARING: NORTH AMERICAN DATUM 1983 (NAD83) CALIFORNIA COORDINATE SYSTEM ZONE III (METERS).
6. SEE SHEET G-4 FOR CONTROL LINE LAYOUT & SURVEY CONTROL.

REV.	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	PRELIMINARY 08-28-07			

DATE	ENGINEERING CERTIFICATION
08/06/07	
DESIGN: C. CHUNG	
DRAWN: M. SUTO	
CHECKED: T. NOAH	
PROJECT ENGINEER	DATE

Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

INDEX MAP, DRAWING LIST & GENERAL NOTES

SCALE	PROJECT NUMBER
AS SHOWN	10104011
VERIFY SCALES: 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING. IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: G-2
	PAGE NUMBER: 2 OF 37

EXISTING / PROPOSED

EXISTING	PROPOSED	
JP	JP	JOINT POLE
PP	PP	POWER POLE
TP	TP	TELEPHONE POLE
E	E	ELECTRICAL MANHOLE
E	E	ELECTRIC METER
SD	SD	STORM DRAIN MANHOLE
CB	CB	CATCH BASIN / SD INLET
		SANITARY CLEANOUT
SS	SS	SANITARY MANHOLE
T	T	TELEPHONE MANHOLE
WV	WV	WATER VALVE
W	W	WATER METER
		BLOWOFF
GV	GV	GAS VALVE
G	G	GAS METER
90°	90° 270° 360°	SPRINKLER
PV	PV	PRECAST VAULT
T	T	TELEMETRY CABLE PULLBOX
V	V	VENTILATION STRUCTURE
		VALVE, SWITCH
		TREE
		TREES (NUMBER DENOTES SIZE & KIND OF TREE SHOWN IN TREE REMOVAL TABLE SHEET D-1
		STORM DRAIN OUTFALL
		FIRE HYDRANT
		UTILITIES BOXES
		ELECTROLIER
		POLE AND GUY ANCHOR
		CRIB WALL

FACILITIES

SLOPE OF BANK (Down)

SACKED CONCRETE SLOPE PROTECTION

GABION LINING

ROCK SLOPE PROTECTION

GROUTED ROCK LINING

CONCRETE

GRAVEL

AC PAVEMENT

CONC. BARRIER

EXISTING LINE TYPES

CABLE TELEVISION (CTV)
ELECTRICAL LINE (E)
ELECTRICAL & TELEPHONE LINE (E/T)
ELECTRICAL LINE - OVERHEAD (E(OH))
TEMPORARY PRESERVATION FENCE (F)
GAS LINE (G)
IRRIGATION LINE (IR)
STORM DRAIN LINE (SD)
SANITARY SEWER LINE (SS)
TELEPHONE LINE (T)
TELEPHONE LINE - OVERHEAD (T(OH))
TRAFFIC SIGNAL LINE (TS)
TELEMETRY LINE (TC)
WATER LINE (W)
BARBED WIRE FENCE LINE
CHAIN LINK FENCE LINE
WOODEN FENCE LINE
TRAIL LINE
CUT OR FILL SLOPE (TOP / TOE)
CONTROL LINE
GROUND
RW UTILITY EASEMENT
ROW-FEE
PROPERTY-LINE
ROW-TRACT
ROW-SCVWD-EASEMENT

PROPOSED LINE TYPES

CTV
E
E/T
E(OH)
F
G
IR
SD
SS
T
T(OH)
TS
TC
W
TOP / TOE
℄

MISCELLANEOUS

- WATER SURFACE (PROFILE)
- CONE PENETROMETER
- S=0.0016 — SLOPE
- ANGLE
- & — AND
- @ — AT
- ℄ — CONTROL LINE OR CENTER LINE
- ℄ — FLOW LINE
- % — PERCENT
- ℗ — PROPERTY LINE
- ø — ROUND
- # — NUMBER
- 125 — NUMERICAL POINT DESIGNATION
- GEOTECHNICAL BORING LOCATION

SURVEY

- HORIZONTAL CONTROL
- VERTICAL CONTROL
- HORIZONTAL VERTICAL CONTROL
- SURVEY MONUMENT OR HORIZONTAL CONTROL POINT
- BENCH MARK
- MONUMENT SET AS NOTED
- FOUND IRON PIPE AS NOTED
- FOUND STD. CITY MONUMENT

TRAFFIC CONTROL

- SIGN-1
- SIGN-2
- BUS STOP
- TRAFFIC DIRECTION
- TRAFFIC CONE
- CONSTRUCTION SIGN
- FLASHING ARROW SIGN
- TYPE I - TRAFFIC BARRICADE
- TYPE III - TRAFFIC BARRICADE
- K-RAIL BARRIER (TEMPORARY)
- AP — ACCESS POINT
- ER — EXIST. RAMP

SPECIAL ABBREVIATIONS

MP/S	- CUBIC METERS PER SECOND
MPA	- MEGA PASCALS
F'C	- COMPRESSIVE STRENGTH OF CONCRETE

SPECIAL SYMBOLS

- BOLLARD

DETAIL AND SECTION DESIGNATION

- 1 / X-X — INDICATES DETAIL NUMBER; INDICATES SHEET FROM WHICH DETAIL APPEARS
- A / X-X — INDICATES SECTION DESIGNATION; INDICATES SHEETS FROM WHICH SECTION APPEARS

FOR USE WITH CALTRANS STANDARD PLANS DATED JULY, 2004

- BO-1 / X-X — INDICATES STANDARD PLAN SHEET NUMBER; INDICATES SHEET FROM WHICH DETAIL APPEARS

GENERAL ABBREVIATIONS

AB	- ANCHOR BOLT (- AGGREGATE BASE)
ABN	- ABANDON
ABUT	- ABUTMENT
AC	- ASPHALT CONCRETE
ACI	- AMERICAN CONCRETE INSTITUTE
ACP	- ASBESTOS CEMENT PIPE
ALIGN	- ALIGNMENT (- ALIGN)
ALT	- ALTERNATE (- ALTERNATED)
AMP	- AMPERE
AP	- ACCESS POINT
APPROX	- APPROXIMATE (- APPROXIMATELY)
ASPH	- ASPHALT
ASSY	- ASSEMBLY
AVE	- AVENUE
AVG	- AVERAGE
BC	- BEGIN CURVE
BF	- BOTH FACES
BIT	- BITUMINOUS
BK	- BANK
BLDG	- BUILDING
BM	- BENCH MARK
BOT	- BOTTOM
BR	- BRIDGE
BRG	- BEARING
BW	- BARBED WIRE
C	- CURVE, - CHORD
CB	- CATCH BASIN
CCP	- CONCRETE CYLINDER PIPE
CFM	- CUBIC FEET PER MINUTE
CFS	- CUBIC FEET PER SECOND
CIP	- CAST IRON PIPE
CJ	- CONSTRUCTION JOINT
CLR	- CLEAR (- CLEARANCE)
CL-1.8	- CHAIN LINK FENCE (NUMBER = HEIGHT)
CM	- CENTIMETER
CMP	- CORRUGATED METAL PIPE
CMS	- CUBIC METERS PER SECOND
COL	- COLUMN
CONC	- CONCRETE
CONST	- CONSTRUCT (CONSTRUCTION)
CONT	- CONTINUOUS (- CONTROL)
CRK	- CREEK
CY	- CUBIC YARDS
CYL	- CYLINDER
DBL	- DOUBLE
DEG (°)	- DEGREES
DI	- DROP INLET
DIA	- DIAMETER
DIP	- DUCTILE IRON PIPE
DR	- DRIVE
D/S	- DOWNSTREAM
DWG	- DRAWING (- DRAWINGS)
DWN	- DOWN
DET	- DETAIL
E	- EAST
EA	- EACH
EC	- END CURVE
EF	- EACH FACE
EG	- EXISTING GRADE
EJ	- EXPANSION JOINT
ELEC	- ELECTRIC (ELECTRICAL)
ELEV	- ELEVATION
E'LY	- EASTERLY
ENGR	- ENGINEER (ENGINEERING)
EP	- EDGE OF PAVEMENT
EQU	- EQUATION
EW	- EACH WAY
EXIST	- EXISTING
EXP	- EXPANSION
EXPWY	- EXPRESSWAY
FB	- FREEBOARD
FD	- FOUND
FF	- FAR FACE
FG	- FINISH GRADE
FH	- FIRE HYDRANT
FT (')	- FEET (- FOOT)
FTG	- FOOTING
FWY	- FREEWAY
G	- GAS
GA	- GAUGE (GAGE)
GAL	- GALVANIZE (GALVANIZED)
GB	- GUY ANCHOR AND POLE
GB	- GRADE BREAK
GFI	- GROUND FAULT INTERRUPTER
GPM	- GALLONS PER MINUTE
GP	- GUY POLE
GPS	- GALLONS PER SECOND
GR	- GRADE
GRD	- GROUND
GRP	- GROUP
H	- HEIGHT
HK	- HOOK (APPLIED TO REBAR)
H&T	- HUB AND TACK
HOR	- HORIZONTAL
HP	- HORSEPOWER, HINGEPOINT
HW	- HEADWALL
HWY	- HIGHWAY
ID	- INSIDE DIAMETER (DIMENSION)
IF	- INSIDE FACE
IN (")	- INCH (INCHES)
INV	- INVERT
IP	- IRON PIPE
IRRIG	- IRRIGATION
JCT	- JUNCTION
JP	- JOINT POLE
JT	- JOINT
L	- LENGTH (LONG)
LN	- LANE
LT	- LEFT
LP	- LIP OF GUTTER
MAINT	- MAINTENANCE
MATL	- MATERIAL(S)
MAX	- MAXIMUM
MBR	- MEMBER
MFP	- MODIFIED FLOOD PLAIN
MH	- MANHOLE
MIN	- MINIMUM
MON	- MONUMENT
MTL	- METAL
N	- NORTH
NAVD	- NORTH AMERICAN VERTICAL DATUM
N/A	- NOT APPLICABLE, NOT AVAILABLE
NE	- NORTHEAST
NE'LY	- NORTHEASTERLY
NF	- NEAR FACE
NGVD	- NATIONAL GEODETIC VERTICAL DATUM
NIC	- NOT IN CONTRACT
NTS	- NOT TO SCALE
NW	- NORTHWEST
NW'LY	- NORTHWESTERLY
N'LY	- NORTHERLY
OC	- ON CENTER
OD	- OUTSIDE DIAMETER (DIMENSION)
OF	- OUTSIDE FACE
OG	- ORIGINAL GROUND
OH	- OVERHEAD
OPNG	- OPENING
PB	- PULL BOX
PCC	- PORTLAND CEMENT CONCRETE; POINT OF COMPOUND CURVE
PED	- PEDESTRIAN
PI	- POINT OF INTERSECTION
POB	- POINT OF BEGINNING
POT	- POINT OF TANGENT
PP	- POWER POLE
PRC	- POINT OF REVERSE CURVE
PROP	- PROPOSED
PSI	- POUNDS PER SQUARE INCH
PT	- POINT
PVC	- POLYVINYL CHLORIDE (PIPE)
PVMT	- PAVEMENT
Q	- DESIGN DISCHARGE (m^3/s)
R	- RADIUS
RCB	- REINFORCED CONCRETE BOX
RCP	- REINFORCED CONCRETE PIPE
RD	- ROAD
REF	- REFERENCE (REFER)
REINF	- REINFORCEMENT (REINFORCING)
REQ'D	- REQUIRED
RP	- RADIUS POINT
RT	- RIGHT
RTE	- ROUTE
RTP	- ROCK TOE PROTECTION
RSP	- ROCK SLOPE PROTECTION
RR	- RAILROAD
R/W	- RIGHT OF WAY
RW	- RETAINING WALL
RWLOL	- RETAINING WALL LAYOUT LINE
S	- SOUTH, SLOPE
SCH	- SCHEDULE
SCRR	- SACK CONCRETE RIP-RAP
SCSP	- SACKED CONCRETE SLOPE PROTECTION
SCVWD	- SANTA CLARA VALLEY WATER DISTRICT
SD	- STORM DRAIN, STANDARD DETAIL
SE	- SOUTHEAST
SEC (")	- SECONDS
SECT	- SECTION
SE'LY	- SOUTHEASTERLY
SHT	- SHEET
SIM	- SIMILAR
SPEC	- SPECIFICATIONS
SQ FT	- SQUARE FEET
SS	- SANITARY SEWER
STA	- STATION
STD	- STANDARD
STL	- STEEL
STR	- STRUCTURE
SW	- SOUTHWEST
SW'LY	- SOUTHWESTERLY
S'LY	- SOUTHERLY
SY	- SYMMETRICAL
SYM	- SQUARE YARDS
TAN	- TANGENT
TEL	- TELEPHONE
TBD	- TO BE DETERMINED
TBM	- TEMPORARY BENCH MARK
TC	- TOP OF CURB
TCA	- TEMPORARY CONSTRUCTION AREA
TOB	- TOP OF BANK
TOC	- TOE OF CHANNEL
TOCC	- TOE OF CONCRETE CHANNEL
TOPCC	- TOP OF CONCRETE CHANNEL
TP	- TELEPHONE POLE, TURNING POINT
TP-1	- TEST PIT (NUMBER=DESIGNATION/LOCATION)
TRFC	- TRAFFIC
TS	- TRAFFIC SIGNAL
TV	- TELEVISION (CABLE OR FACILITY)
TW	- TOP OF WALL
TYP	- TYPICAL
T&B	- TOP AND BOTTOM
UB	- UTILITY BOX
UC	- UTILITY CONDUIT
UG	- UNDERGROUND
U/S	- UPSTREAM
USC&GS	- UNITED STATES COASTAL AND GEODETIC SURVEY
V	- VOLTS
VCP	- VITRIFIED CLAY PIPE
VERT	- VERTICAL
W	- WITH, WATER, WEST, WIDTH, (WIDE)
W/O	- WITHOUT
WD	- WOOD (WOODEN)
WS	- WATER SURFACE
WSP	- WATER SURFACE PROFILE
WT	- WEIGHT
WV	- WATER VALVE
WW	- WING WALL
WWF	- WELDED WIRE FABRIC
W'LY	- WESTERLY
X-SECT	- CROSS SECTION
Y	- YARDS
Z	- ZONE

METRIC UNITS (SI)

°c	- DEGREE CELSIUS
L	- LITER
mm	- MILLIMETER
m	- METER, METERS (LENGTH)
m^2	- SQUARE METER
m^3	- CUBIC METER
m/s	- METER PER SECOND
mpa	- MEGAPASCAL
s	- SECOND (TIME)

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

DATE	08/31/07
DESIGN	C. CHUNG
DRAWN	M. SUTO
CHECKED	T. NOAH

ENGINEERING CERTIFICATION

PROJECT ENGINEER — DATE

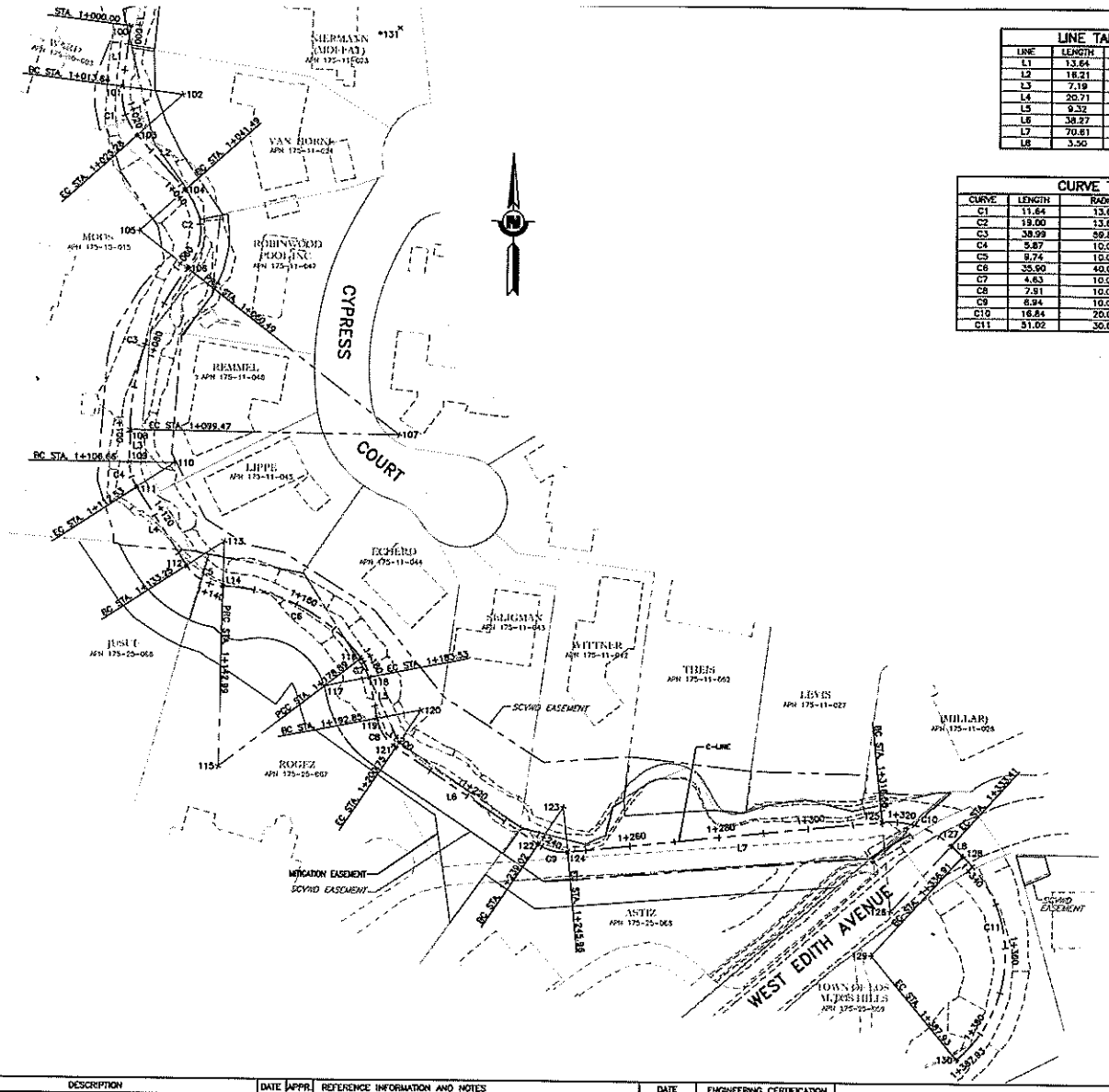
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

ABBREVIATIONS, LEGEND, & SYMBOLS

SCALE	NOT TO SCALE
PROJECT NUMBER	10104011
VERIFY SCALES	0 25 (BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY)
SHEET CODE:	G-3
PAGE NUMBER:	3 OF 37



LINE TABLE		
LINE	LENGTH	BEARING
L1	13.64	S06°54'24"W
L2	18.21	S41°58'22"E
L3	7.19	S00°39'54"W
L4	20.71	S33°02'02"E
L5	9.32	S10°51'20"E
L6	38.27	S56°09'05"E
L7	70.61	N84°05'54"E
L8	3.50	S47°40'13"E

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA ANGLE
C1	11.64	13.64	48°52'48"
C2	19.00	13.64	79°47'48"
C3	38.99	59.85	37°19'17"
C4	5.87	10.00	33°37'57"
C5	9.74	10.00	55°48'05"
C6	35.90	40.00	51°25.59"
C7	4.63	10.00	26°32'08"
C8	7.91	10.00	45°17'45"
C9	8.94	10.00	39°43'01"
C10	16.84	20.00	48°13'52"
C11	51.02	30.00	97°28'25"

POINT TABLE				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
100	N 599230.3740	E 1856051.2975	1+000.00	BEGIN PROJECT
101	N 599216.8328	E 1856048.6573	1+013.64	BC
102	N 599215.1937	E 1856063.1683	N/A	RP
103	N 599206.0706	E 1856053.0575	1+055.28	EC
104	N 599194.0154	E 1856063.9017	1+041.49	BC
105	N 599184.8973	E 1856053.7655	N/A	RP
106	N 599178.5287	E 1856064.3351	1+060.49	PRC
107	N 599139.7357	E 1856111.8457	N/A	RP
108	N 599140.3613	E 1856051.8324	1+099.47	EC
109	N 599133.1717	E 1856051.8573	1+106.66	BC
110	N 599133.0672	E 1856061.8367	N/A	RP
111	N 599127.8156	E 1856053.4733	1+112.53	EC
112	N 599110.2697	E 1856064.7856	1+133.25	BC
113	N 599115.7010	E 1856073.1491	N/A	RP
114	N 599105.7031	E 1856072.9458	1+142.99	PRC
115	N 599065.7114	E 1856072.1329	N/A	RP
116	N 599090.0108	E 1856103.9061	1+178.89	PCC
117	N 599083.9360	E 1856095.5628	N/A	RP
118	N 599085.8183	E 1856105.7838	1+183.53	EC
119	N 599075.6631	E 1856107.5396	1+192.85	BC
120	N 599078.5484	E 1856117.3607	N/A	RP
121	N 599070.2413	E 1856111.7907	1+200.75	EC
122	N 599048.9249	E 1856143.5743	1+239.02	BC
123	N 599057.2300	E 1856149.1443	N/A	RP
124	N 599047.2830	E 1856150.1725	1+245.98	EC
125	N 599054.5435	E 1856220.4120	1+316.58	BC
126	N 599034.8495	E 1856222.4684	N/A	RP
127	N 599049.4351	E 1856235.9363	1+333.41	EC
128	N 599047.0791	E 1856238.5228	1+336.91	BC
129	N 599024.9006	E 1856218.3210	N/A	RP
130	N 599001.9970	E 1856237.6968	1+367.93	EC/END PROJECT
*131	N 599230.3781	E 1856111.3619	FOUND NAIL & SHINER	
*133	N 599006.2903	E 1856193.7969	FOUND GRANITE MON.	
**134	N 599228.1588	E 1856654.5304	VERT. CNTRL (BM) 288, ELEVATION=58.7660, BRASS DISK ON TOP OF CURB AT SOUTHWEST CORNER OF LOS ALTOS AVE. AND EDITH AVE.	

* HORIZONTAL CONTROL POINTS SHOWN FOR REFERENCE ONLY. SPATIAL LOCATION OR REFERENCE NOT ACCURATELY DEPICTED.

** VERTICAL CONTROL (BM) COORDINATE VALUES ARE NOT TO BE USED FOR SURVEY OR DESIGN WORK. THEY ARE MERELY PROVIDED FOR APPROXIMATE LOCATION ONLY.

**134

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

DATE	ENGINEERING CERTIFICATION
08/31/07	
DESIGN	
C. CHUNG	
DRAWN	
M. SUTO	
CHECKED	
T. NOAH	
PROJECT ENGINEER	DATE

Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

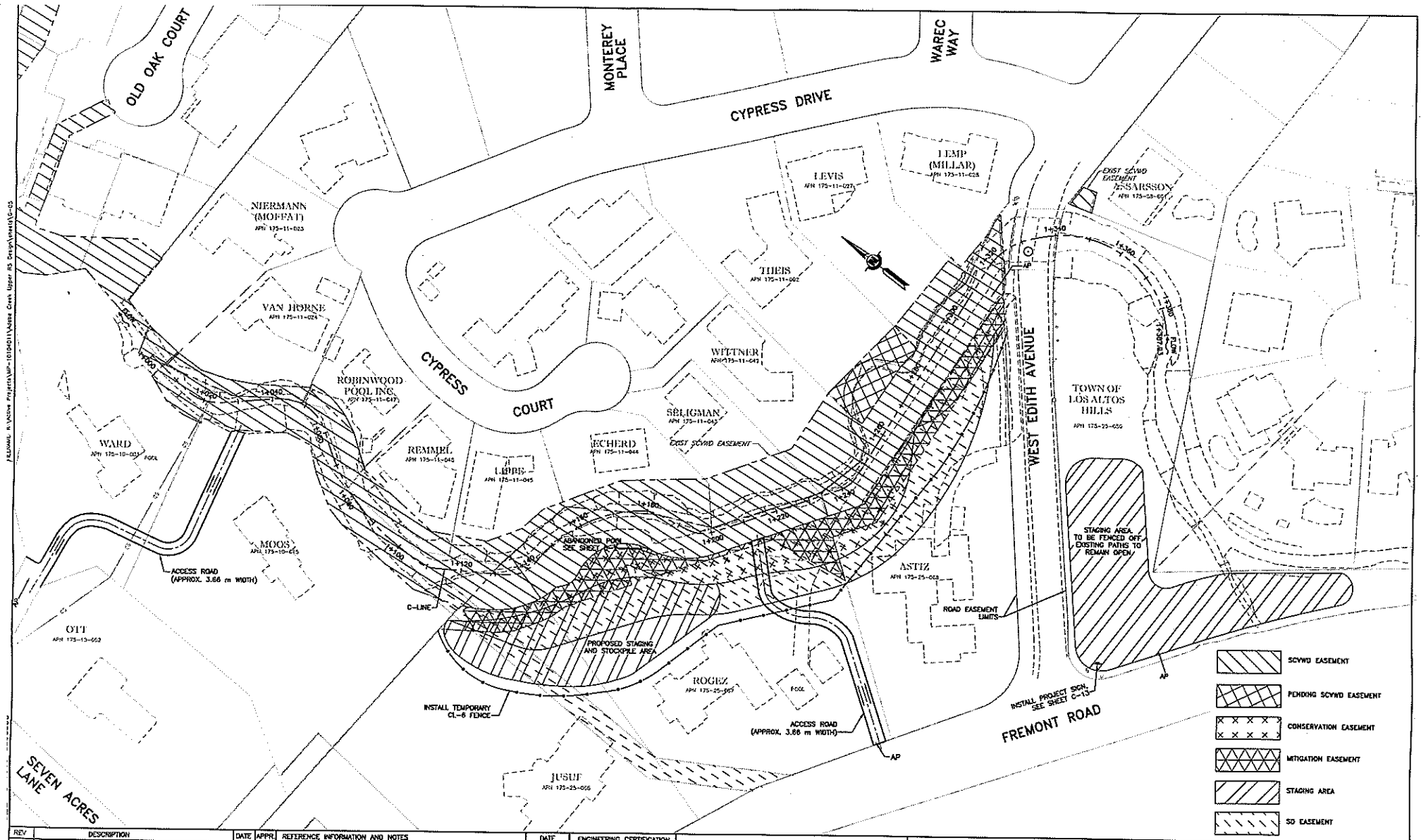
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

SURVEY LAYOUT

SCALE	PROJECT NUMBER
1:500	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: G-4
	PAGE NUMBER: 4 OF 37

DOCUMENT NUMBER: AUS_LP-G-1010-000000

FILENAME K:\Active Projects\AP-1010401\Adobe Creek Upper R5 Design\Land\G-04



REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. ALL TREES WITHIN THE STAGING AREA SHALL BE PROTECTED WITH PRESERVATION FENCING.
2. ACCESS ROAD AND STAGING AREA TO BE STAKED-OUT IN THE FIELD BY ENGINEER.

DATE	ENGINEERING CERTIFICATION
08/31/07	
DESIGN C. CHUNG	
DRAWN M. SUTO	
CHECKED T. NOAH	
	PROJECT ENGINEER DATE

Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

RIGHT OF WAY, STAGING AREA AND SITE ACCESS

SCALE	PROJECT NUMBER
1:500	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: G-5
	PAGE NUMBER: 5 OF 37

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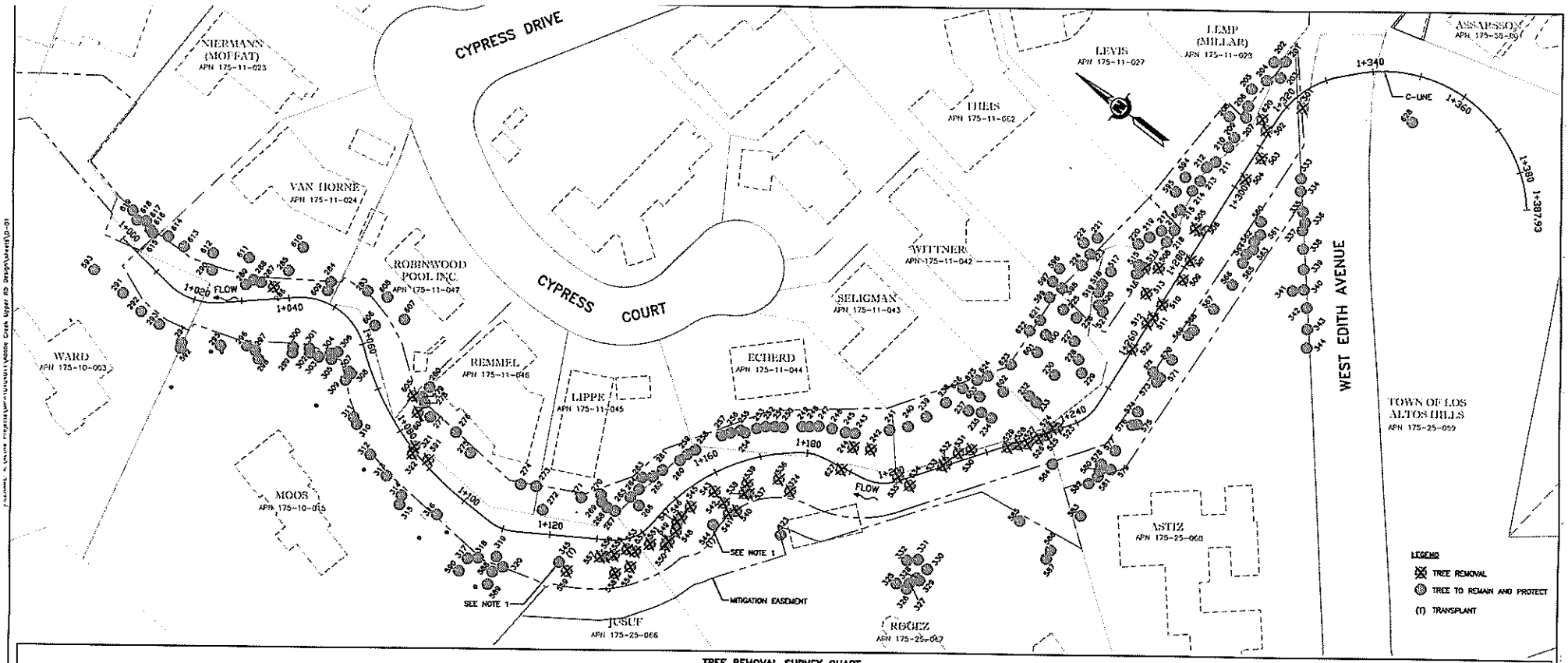


TREE REMOVAL SURVEY CHART

TREE NO.	SURVEY POINT NUMBERS	OFFSET FROM C-LINE (m)	DIAMETER AT BREAST HEIGHT (m)	DESCRIPTION
242	6213	8.108	0.229	COAST REDWOOD
244	6214	4.818	0.279	COAST REDWOOD
286	6305	2.536	0.178	ELDERBERRY
321	6383	0.573	0.178	LOMBARDY POPLAR
322	6382	0.813	0.152	LOMBARDY POPLAR
324	6239	8.047	0.107	COAST REDWOOD
345*	6278	5.521	0.914	CANARY ISLAND DATE PALM (TRANSPLANT)
501	6073	2.525	0.185	NORTHERN CALIFORNIA BLACK WALNUT
502	6074	0.823	0.121	BLUE GUM
503	6087	1.561	0.345	BLACKWOOD ACACIA
504	6088	1.073	0.417	BLACKWOOD ACACIA
505	6086	2.239	0.541	COAST REDWOOD
506	6086*	1.265	0.893	COAST REDWOOD
507	6093	0.353	0.282	BLACKWOOD ACACIA
508	6102	4.410	0.112	BLUE GUM
509	6096	1.130	0.264	ORIENTAL ARBORVITAE
510	6097	0.300	0.287	ORIENTAL ARBORVITAE
511	6109	0.046	0.231	BLACKWOOD ACACIA

TREE NO.	SURVEY POINT NUMBERS	OFFSET FROM C-LINE (m)	DIAMETER AT BREAST HEIGHT (m)	DESCRIPTION
512	6110	0.270	0.279	ORIENTAL ARBORVITAE
513	6108	3.761	0.284	BLACKWOOD ACACIA
514	6103	6.919	0.884	BLUE GUM
522	6124	0.138	0.170	CLACKWOOD ACACIA
523	6178	0.261	0.116	BLUE GUM
524	6179	0.609	0.688	BLUE GUM
525	6198	0.478	0.904	BLUE GUM
526	6197	0.863	0.411	BLUE GUM
527	6196	0.962	0.907	BLUE GUM
528	6195	0.560	0.706	BLUE GUM
529	6180	0.331	0.358	BLUE GUM
530	6192	1.490	0.541	BLUE GUM
531	6191	1.653	0.340	BLUE GUM
532	6190	0.535	0.747	BLUE GUM
533	6189	0.166	0.394	BLUE GUM
534	6184	1.852	0.101	BLUE GUM
535	6183	0.795	0.348	NORTHERN CALIFORNIA BLACK WALNUT
536	6240	5.276	0.427	CALIFORNIA BAY

TREE NO.	SURVEY POINT NUMBERS	OFFSET FROM C-LINE (m)	DIAMETER AT BREAST HEIGHT (m)	DESCRIPTION
537	6242	8.778	0.175	CALIFORNIA BUCKEYE
538	6243	6.496	0.188	COAST LIVE OAK
539	--	4.801	0.516	CALIFORNIA BAY
540	6247	9.223	0.498	GLOSSY PRIVET
541	6244	8.983	0.218	GLOSSY PRIVET
542	6245	8.513	0.378	BLUE GUM
543	6246	3.493	0.234	COAST LIVE OAK
544*	6248	9.135	0.808	CANARY ISLAND DATE PALM (TRANSPLANT)
545	6250	3.269	0.704	BLUE GUM
546	6251	3.595	0.569	BLUE GUM
547	6252	3.759	0.287	RED IRONBARK
548	6253	4.898	0.206	GLOSSY PRIVET
549	6254	5.063	0.257	RED IRONBARK
550	6255	5.178	0.368	ELDERBERRY
551	6257	2.931	0.373	BLUE GUM
552	6259	2.984	0.810	BLUE GUM
553	6283	2.097	0.257	GLOSSY PRIVET
554	6284	5.846	0.277	COAST LIVE OAK

TREE NO.	SURVEY POINT NUMBERS	OFFSET FROM C-LINE (m)	DIAMETER AT BREAST HEIGHT (m)	DESCRIPTION
555	6281	3.067	0.188	GLOSSY PRIVET
556	6280	3.483	0.391	GLOSSY PRIVET
557	6279	3.662	0.269	GLOSSY PRIVET
558	6285	8.882	0.287	COAST LIVE OAK
559	6277	7.226	0.141	BLUE GUM
591	--	1.078	0.188	LOMBARDY POPLAR
604	--	5.187	0.231	CALIFORNIA BUCKEYE
605	6286	8.090	0.470	NORTHERN CALIFORNIA BLAK WALNUT
620	--	2.624	0.175	BLUE GUM
627	--	0.462	0.533	ELDERBERRY

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 06-06-07		

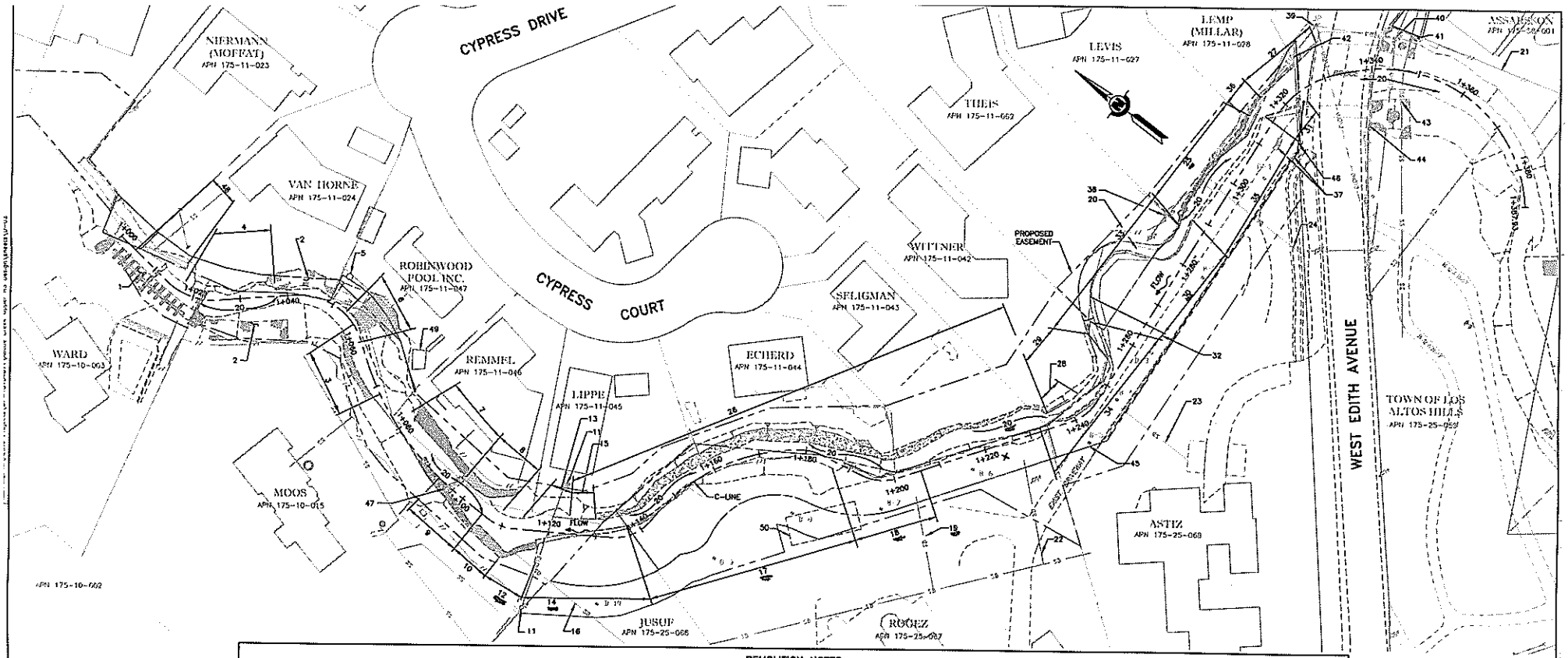
REFERENCE INFORMATION AND NOTES
1. * TREES TO BE TRANSPLANTED. SEE SHEET P-2 FOR LOCATION.

DATE	ENGINEERING CERTIFICATION
08/31/07	
DESIGN	
C. CHUNG	
DRAWN	
M. SUTO	
CHECKED	
T. NOAH	PROJECT ENGINEER DATE

Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT
DEMOLITION PLAN
TREE REMOVAL

SCALE	PROJECT NUMBER
1:400	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: D-1
	PAGE NUMBER: 6 OF 37



DEMOLITION NOTES

1. EXISTING CRIB WALL TO REMAIN
2. EXISTING SACKED CONCRETE TO REMAIN
3. EXISTING SACKED CONCRETE TO REMAIN
4. EXISTING SACKED CONCRETE TO REMAIN
5. EXISTING SEPTIC TANK TO REMAIN
6. EXISTING SACKED CONCRETE SLOPE PROTECTION TO REMAIN
7. EXISTING GUNITE BANK TO REMAIN
8. EXISTING SACKED CONCRETE TO REMAIN
9. EXISTING ROCK SLOPE PROTECTION TO REMAIN
10. EXISTING SACKED CONCRETE TO REMAIN
11. POWER POLE TO REMAIN PROTECT IN PLACE
12. REMOVE 8 m± SACKED CONCRETE & A PORTION OF EXIST STORM DRAIN
13. REMOVE 5 m± CHAIN LINK FENCE
14. REMOVE 14 m± WOOD WALL & CONCRETE WALL
15. WOOD WALL TO REMAIN.
16. 1.5 m STORM DRAIN TO REMAIN EXCEPT FOR FIRST 3 m FROM OUTFALL.
17. REMOVE 40 m± WOOD WALL
18. REMOVE 14 m± WOOD WALL
19. REMOVE STORM DRAIN LATERAL TO SCVWD EASEMENT
20. CLEAR AND GRUB ENTIRE CHANNEL BOTTOM, THIS INCLUDES REMOVAL OF ALL CONCRETE DEBRIS, EXCEPT THOSE NOTED TO REMAIN. REMOVE ONLY TREES AS NOTED ON SHEET D-1.
21. FENCE TO REMAIN
22. REMOVE 450 mm STORM DRAINS TO SCVWD EASEMENT, SEE SHEET C2 & C3
23. REMOVE 450 mm STORM DRAIN TO SCVWD EASEMENT, SEE SHEET C2 & C3
24. REMOVE 450 mm STORM DRAIN TO SCVWD EASEMENT, SEE SHEET C2 & C3
25. EXISTING BANK TO REMAIN
26. GUNITE BANK TO REMAIN
27. CONCRETE WALL TO REMAIN
28. EXISTING CONCRETE WALL TO REMAIN
29. EXISTING BANK TO REMAIN
30. REMOVE 38 m± CONCRETE WALL
31. REMOVE 10 m± CONCRETE WALL AND 18 m± CHAIN LINK FENCE
32. REMOVE 6 m± SACKED CONCRETE
33. REMOVE 38 m± BRICK WALL TO 1 m BELOW FINISHED GRADE
34. REMOVE 24 m± WOOD WALL
35. REMOVE 28 m± WOOD WALL
36. REMOVE 4 m± WOOD WALL
37. REMOVE BRICK PILASTERS
38. POWER POLE TO REMAIN, PROTECT IN PLACE
39. JOINT POLE TO REMAIN, PROTECT IN PLACE
40. POWER POLE TO REMAIN, PROTECT IN PLACE
41. SANITARY SEWER MANHOLE TO REMAIN
42. STORM DRAIN TO REMAIN
43. EXISTING SEWER WITH CONCRETE CAP TO REMAIN
44. EXISTING TELEPHONE WITH CONCRETE CAP TO REMAIN
45. ABANDON MONITORING WELL B-5
46. REMOVE AC DRIVEWAY
47. EXISTING CONCRETE WEIR TO REMAIN
48. REMOVE WOOD WALL, 10 m±
49. EXISTING PUMP HOUSE TO REMAIN
50. REMOVE ABANDONED POOL

RSV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	PRELIMINARY 08-28-07			

DATE	ENGINEERING CERTIFICATION
08/31/07	
DESIGN	
C. CHUNG	
DRAWN	
M. SUTO	
CHECKED	
T. NOAH	PROJECT ENGINEER DATE

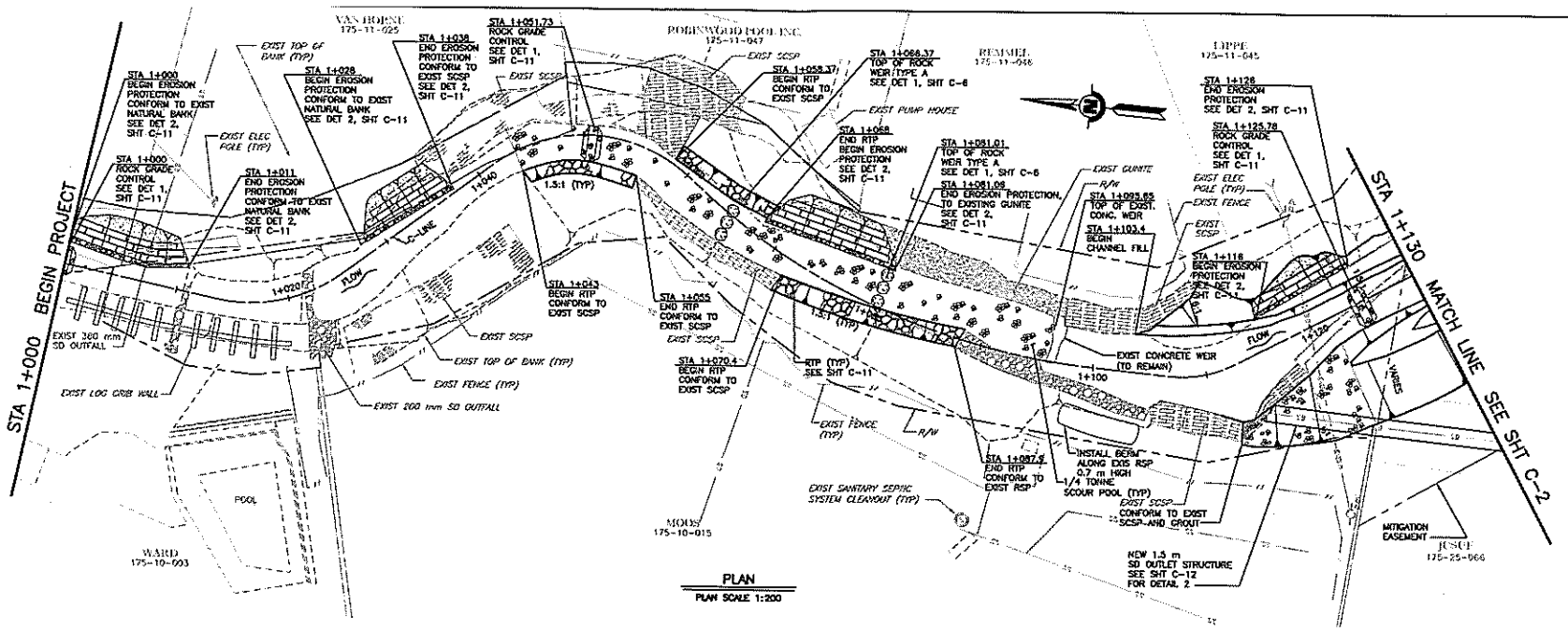
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

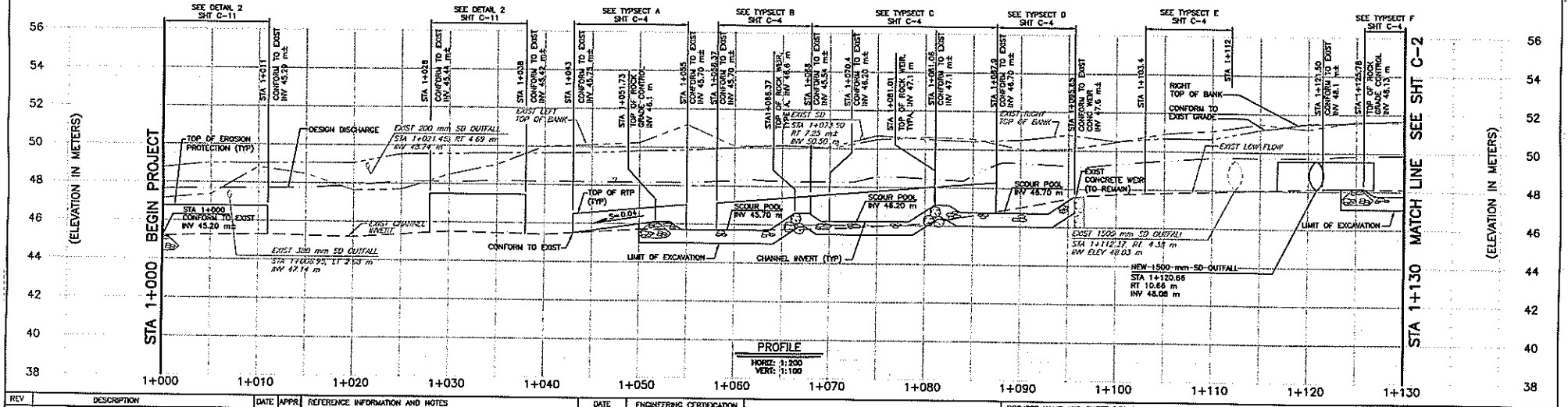
DEMOLITION PLAN MISCELLANEOUS MATERIAL REMOVAL

SCALE	PROJECT NUMBER
1:400	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: D-2
	PAGE NUMBER: 7 OF 37



PLAN

PLAN SCALE 1:200



PROFILE

HORIZ: 1:200
VERT: 1:100

REV	DESCRIPTION	DATE	APPR
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. FOR ROCK WEIR TYPE A DETAILS, SEE SHEET C-6.

DATE	ENGINEERING CERTIFICATION
08/31/07	
DESIGN C. CHUNG	
DRAWN M. SUTO	
CHECKED T. NOAH	
	PROJECT ENGINEER DATE

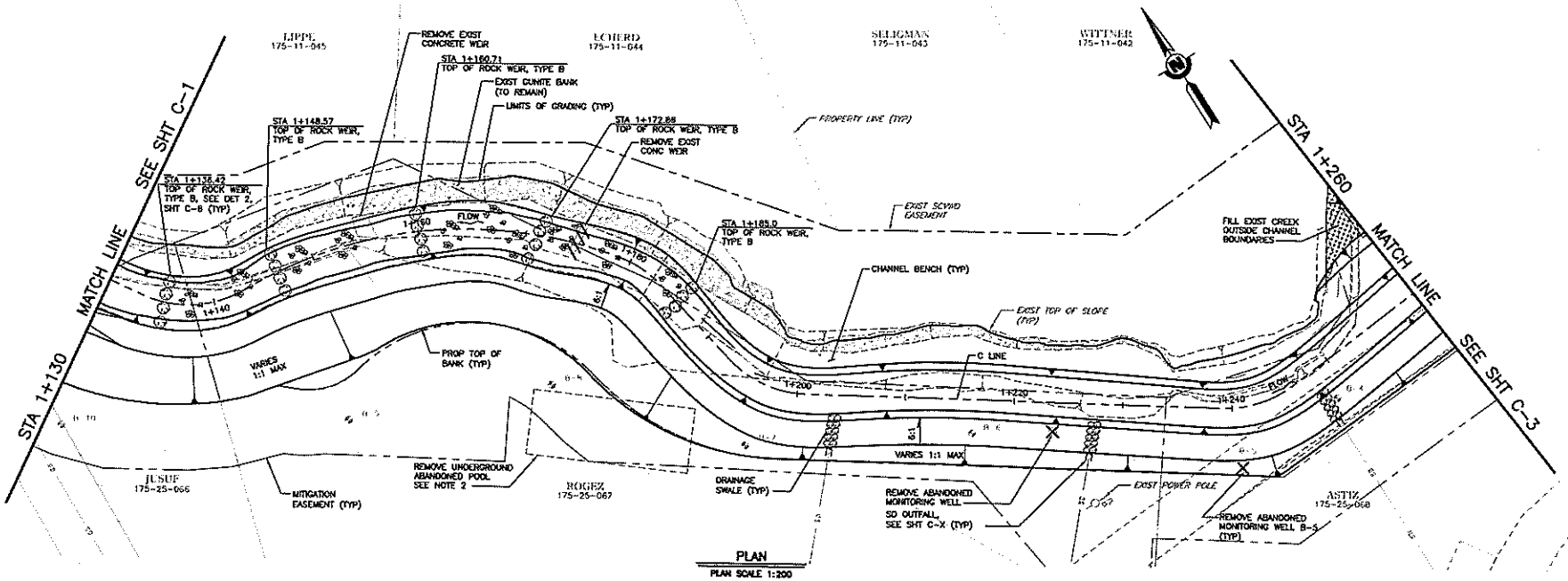
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

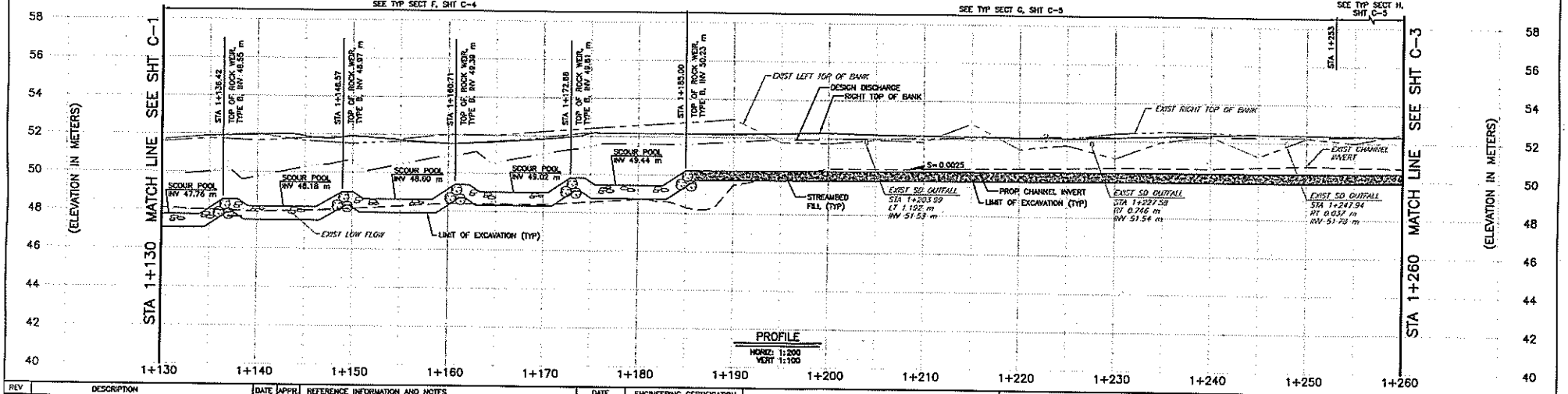
PLAN AND PROFILE
STA 1+000 TO STA 1+130

SCALE	PROJECT NUMBER
AS SHOWN	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: C-1
	PAGE NUMBER: 8 OF 37



PLAN

PLAN SCALE 1:200



PROFILE

HORIZ: 1:200
VERT 1:100

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. FOR ROCK WEIR TYPE B DETAILS, SEE DETAIL 2, SHEET C-6.

DATE	08/31/07
DESIGN	C. CHUNG
DRAWN	M. SUTO
CHECKED	T. NDAH

ENGINEERING CERTIFICATION

PROJECT ENGINEER DATE

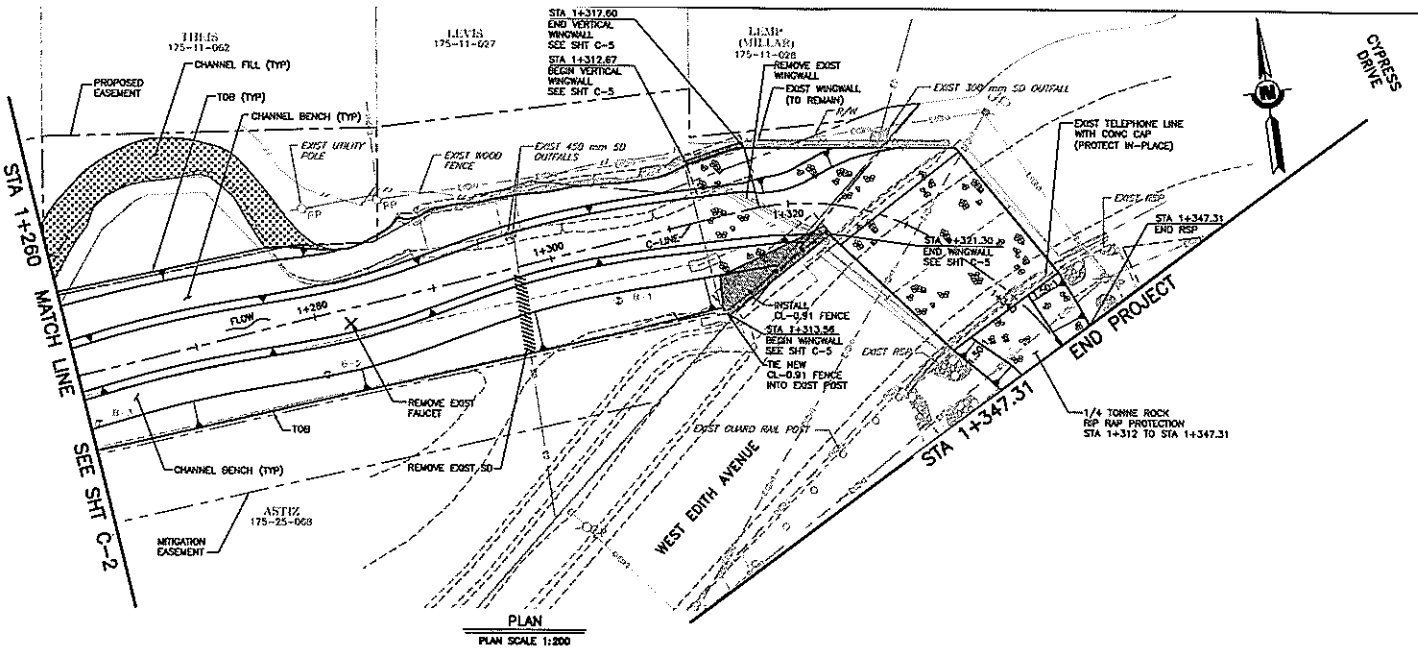
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

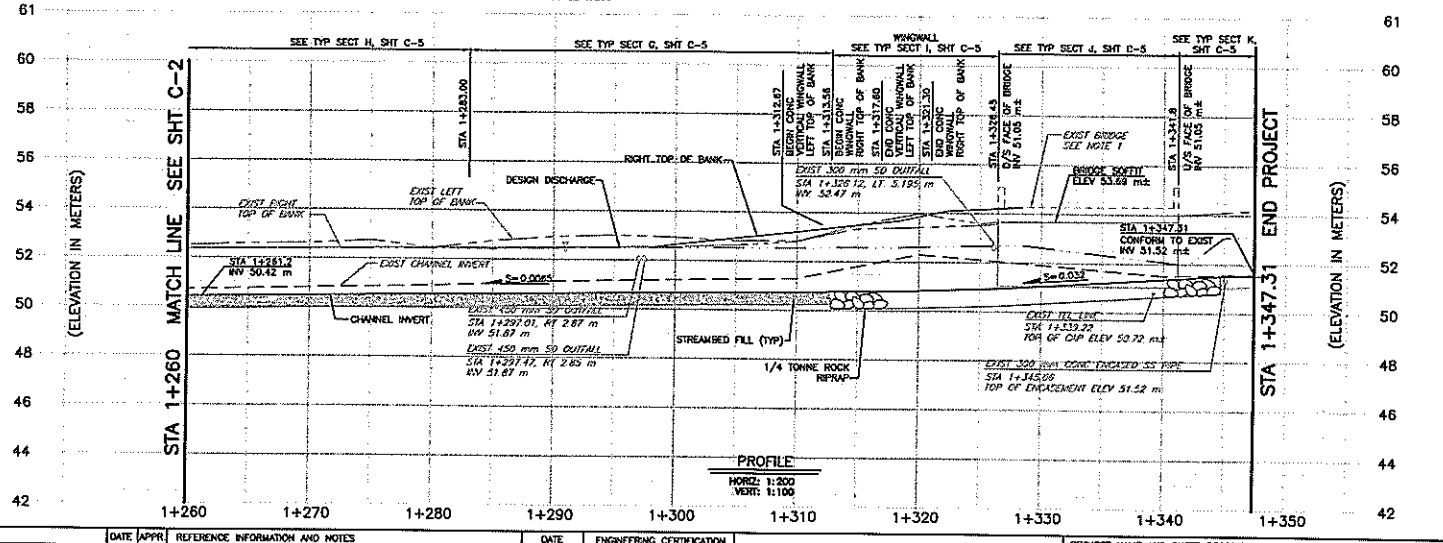
PLAN AND PROFILE
STA 1+130 TO STA 1+260

SCALE	AS SHOWN
VERIFY SCALES	0 25
BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	
PROJECT NUMBER	10104011
SHEET CODE:	C-2
PAGE NUMBER:	9 OF 37



PLAN

PLAN SCALE 1:200



PROFILE

HORIZ: 1:200
VERT: 1:100

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. LOCATION AND ELEVATION OF BRIDGE STRUCTURES ARE APPROXIMATE AND FOR REFERENCE ONLY.

DATE	ENGINEERING CERTIFICATION
08/31/07	
DESIGN	
C. CHUNG	
DRAWN	
M. SUTO	
CHECKED	
T. NOAH	
PROJECT ENGINEER DATE	

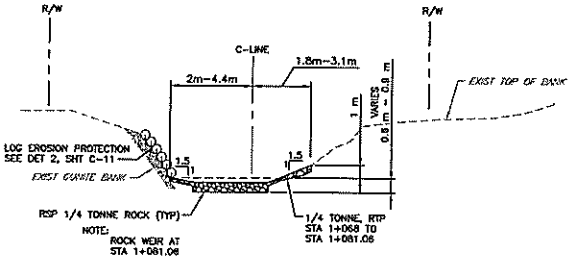
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

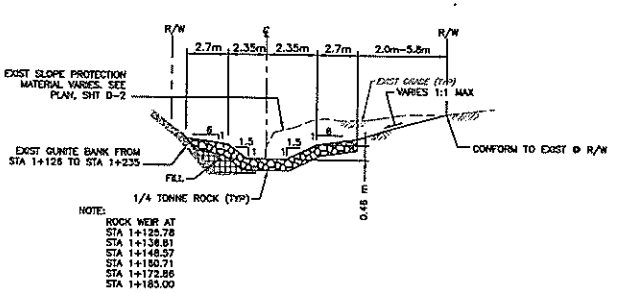
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

PLAN AND PROFILE
STA 1+260 TO STA 1+347.31

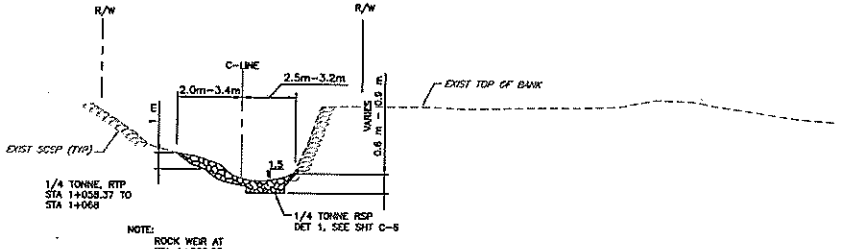
SCALE	PROJECT NUMBER
AS SHOWN	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING. IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: C-3
	PAGE NUMBER: 10 OF 37



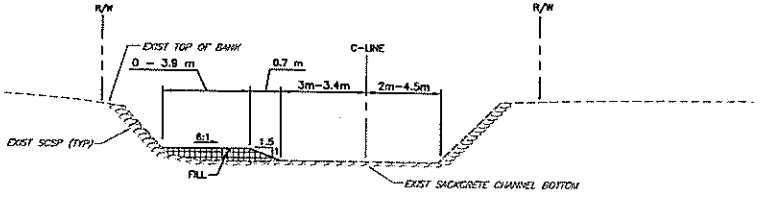
TYPICAL SECTION C / C-1 STA. 1+068 TO STA. 1+087.90
NTS



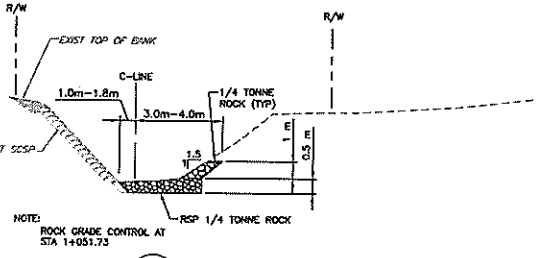
TYPICAL SECTION F / C-2 STA. 1+125.78 TO STA. 1+185
NTS



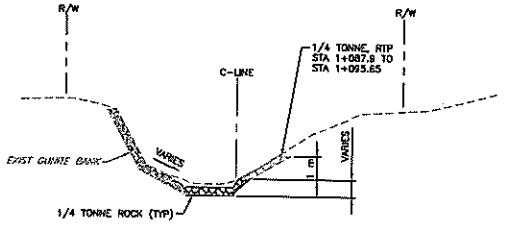
TYPICAL SECTION B / C-1 STA. 1+058.37 TO STA. 1+068
NTS



TYPICAL SECTION E / C-1 STA. 1+103 TO STA. 1+112
NTS



TYPICAL SECTION A / C-1 STA. 1+043 TO STA. 1+055
NTS



TYPICAL SECTION D / C-1 STA. 1+087.9 TO STA. 1+095.65
NTS

ALL SECTIONS LOOKING UPSTREAM

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

DATE	ENGINEERING CERTIFICATION
06-06-07	
DESIGN	
C. CHUNG	
DRAWN	
M. SUTO	
CHECKED	
T. NOAH	
PROJECT ENGINEER	DATE

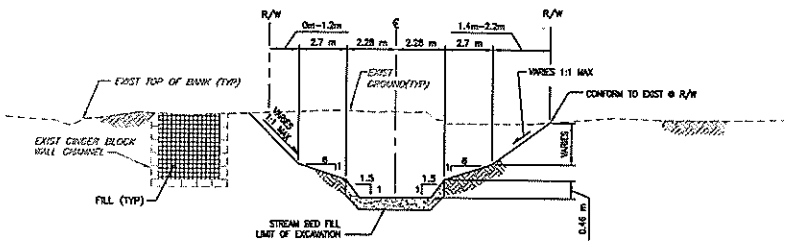
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

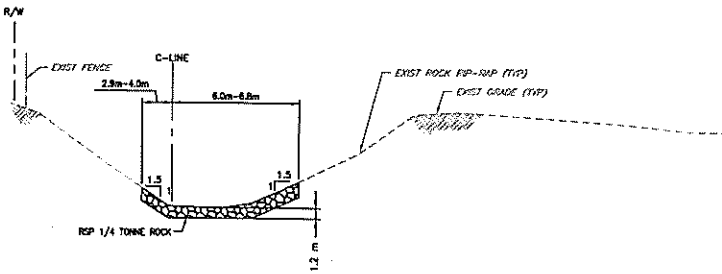
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

TYPICAL CHANNEL SECTIONS

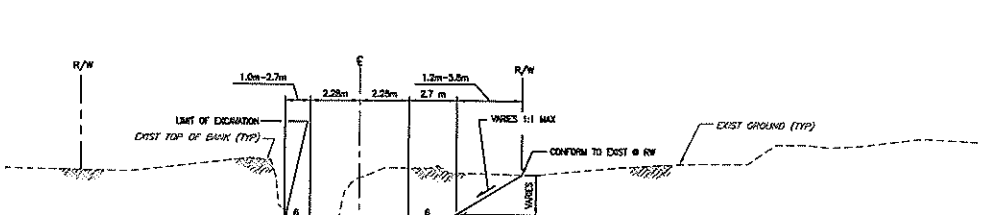
SCALE	PROJECT NUMBER
NOT TO SCALE	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: C-4
	PAGE NUMBER: 11 OF 37



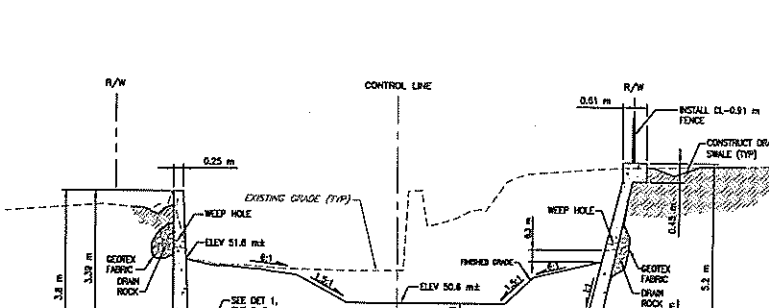
TYPICAL SECTION H / C-2 / C-3 STA 1+253 TO STA 1+283
NTS

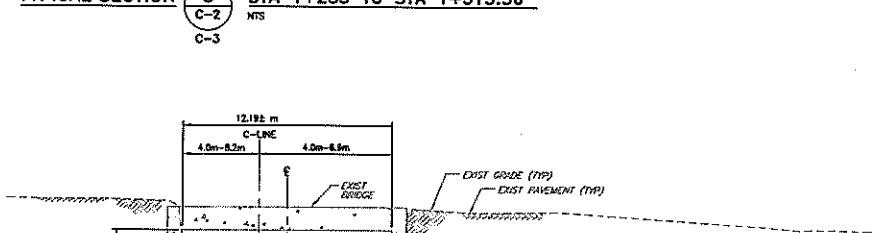


TYPICAL SECTION K / C-3 STA 1+341.8 TO STA 1+347.31
NTS



TYPICAL SECTION G / C-2 / C-3 STA 1+185 TO STA 1+253
STA 1+283 TO STA 1+313.56
NTS





NOTE: PAC BELL CONDUIT & SS CONCRETE ENCASEMENT NOT SHOWN

TYPICAL SECTION J / C-3 STA 1+326.45 TO STA 1+341.8
NTS

TYPICAL SECTION I / C-3 STA 1+313.56 TO STA 1+326.45
NTS

ALL SECTIONS LOOKING UPSTREAM

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	PRELIMINARY 08-28-07			

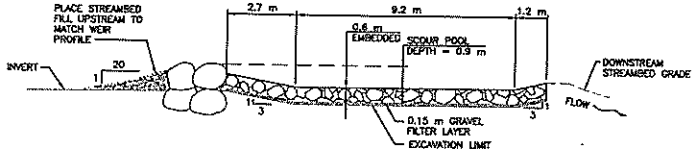
DATE 08/31/07
DESIGN C. CHUNG
DRAWN M. SUTO
CHECKED T. NOAH
ENGINEERING CERTIFICATION
PROJECT ENGINEER DATE

Santa Clara Valley Water District

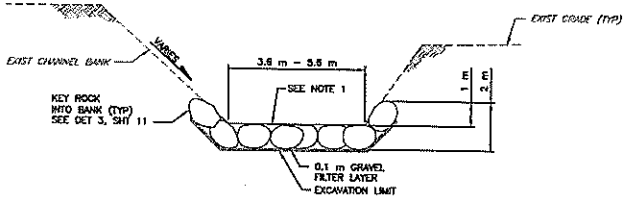
PROJECT NAME AND SHEET DESCRIPTION:
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT
TYPICAL CHANNEL SECTIONS

SCALE NOT TO SCALE
VERIFY SCALES 0 25
BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY

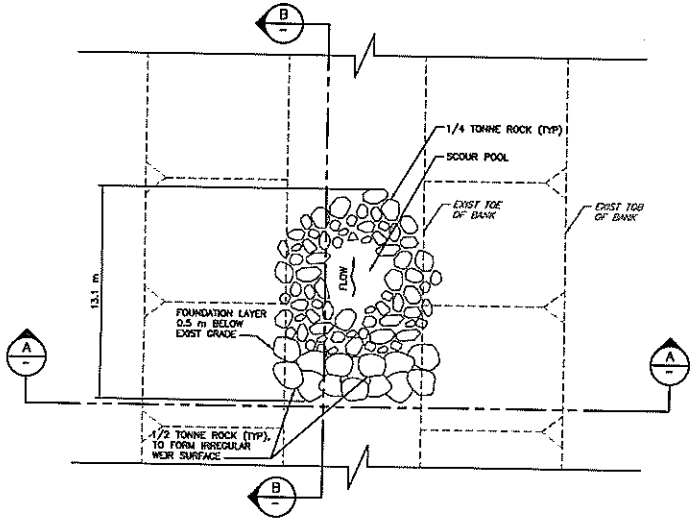
DOCUMENT NUMBER: ADB_LP-C-1010-0000000



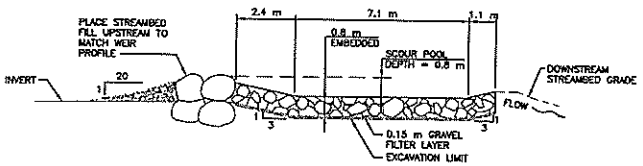
SECTION B – ROCK WEIR TYPE A
NTS



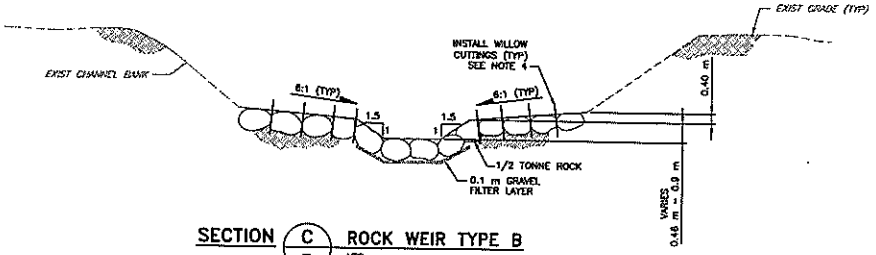
SECTION A – ROCK WEIR TYPE A
NTS



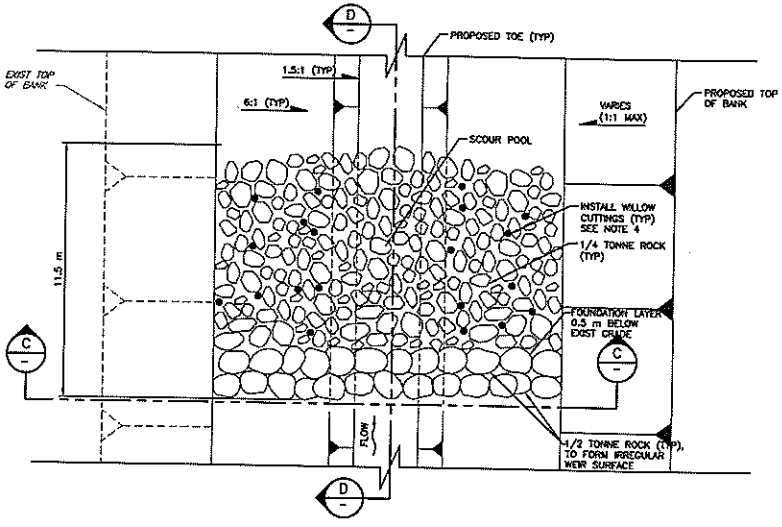
DETAIL 1 (C-1) – ROCK WEIR TYPE A – PLAN
NTS



SECTION D – ROCK WEIR TYPE B
NTS



SECTION C – ROCK WEIR TYPE B
NTS



DETAIL 2 (C-2) – ROCK WEIR TYPE B – PLAN
NTS

DESCRIPTION	DATE	APPR.
PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. BOULDER QUANTITIES SHOWN ARE AVERAGE NUMBER PER STRUCTURE. QUANTITIES AND DIMENSIONS WILL VARY DEPENDING ON WIDTH OF EXISTING CHANNEL.
2. BACKFILL SHALL BE INSITU MATERIAL OR APPROVED BY ENGINEER.
3. EXISTING SLOPE MAY REQUIRE SITE SPECIFIC DESIGN TREATMENT TO STABILIZE BACKFILL.
4. REFER TO LANDSCAPE PLAN, SHT L-1, FOR LOCATION, SPECIES, AND QUANTITIES.

DATE	ENGINEERING CERTIFICATION
06-06-07	
DESIGN C. CHUNG	
DRAWN M. SUTO	
CHECKED T. NDAH	
PROJECT ENGINEER DATE	

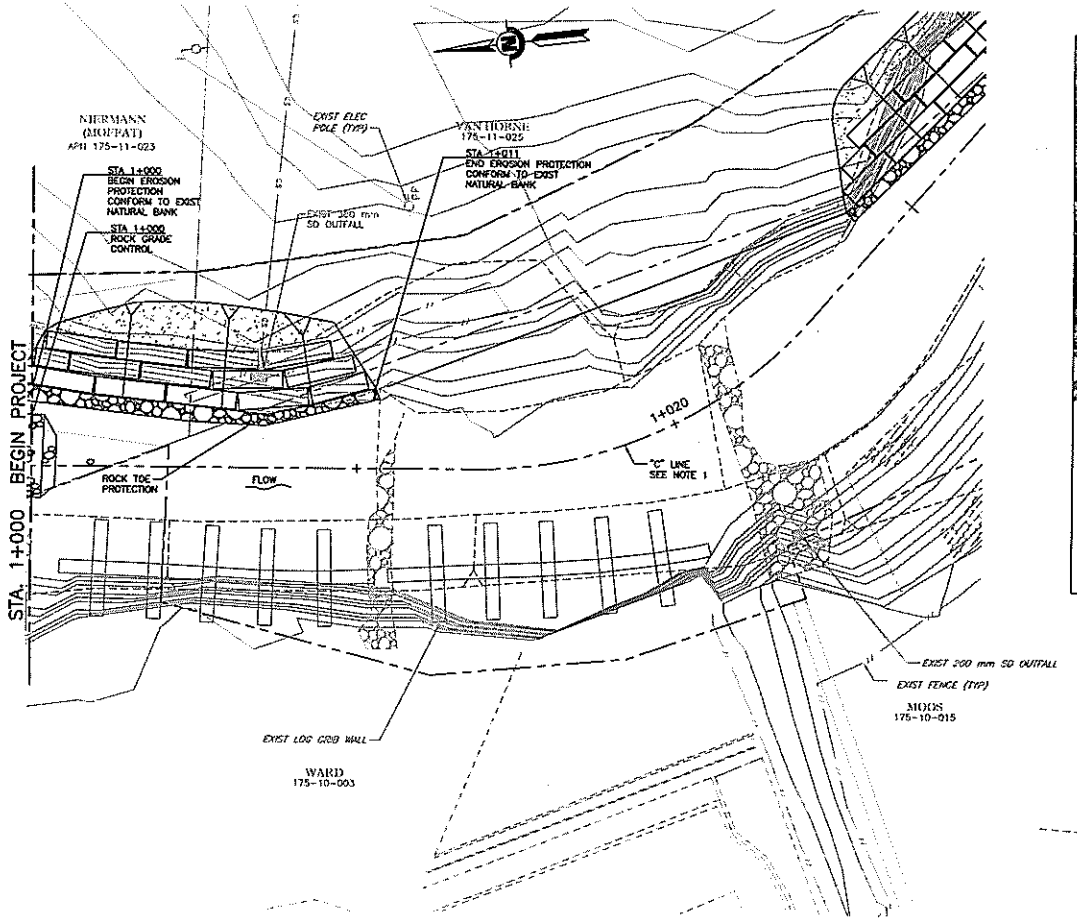
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

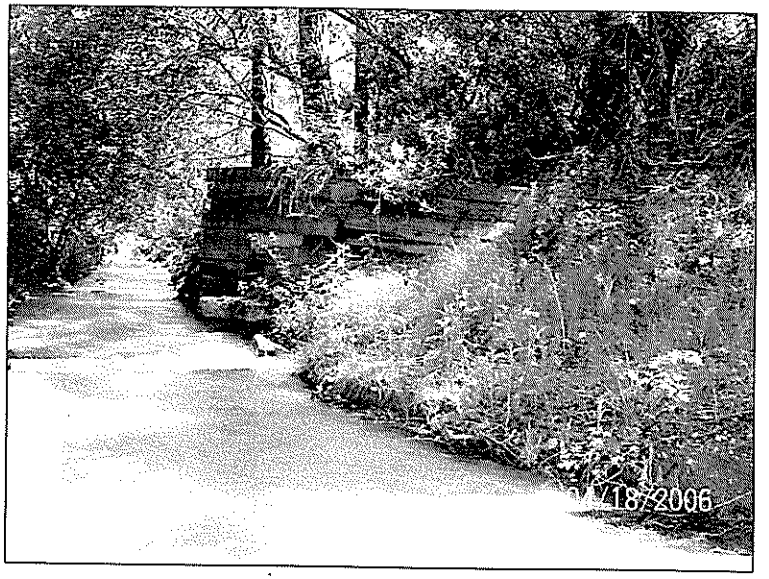
ROCK WEIR DETAILS

SCALE	PROJECT NUMBER
NOT TO SCALE	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: C-6
	PAGE NUMBER: 13 OF 37



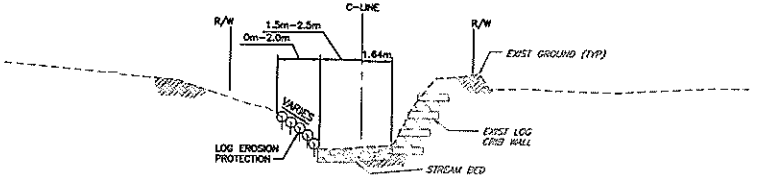
PLAN

PLAN SCALE 1:75



EROSION SITE AT STA 1+000 TO STA 1+011

LOOKING D/S



DETAIL 1/- EROSION SITE

STA 1+000 TO STA 1+011

NTS

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. SEE SHEET C-4 FOR SURVEY CONTROL INFORMATION.

DATE	08/31/07
DESIGN	C. CHUNG
DRAWN	L.P./M.S.
CHECKED	T. NUAH
PROJECT ENGINEER	MM-DD-YY

ENGINEERING CERTIFICATION

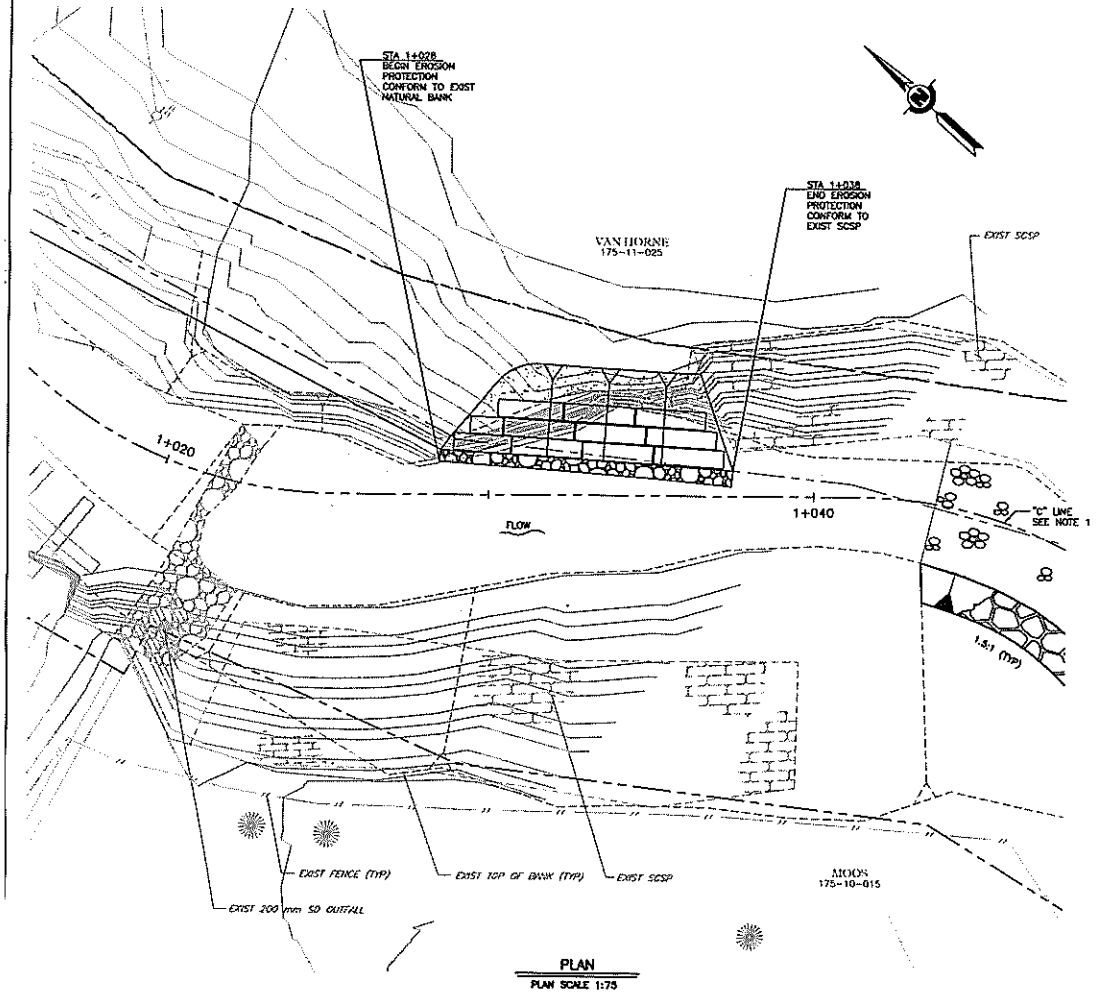
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

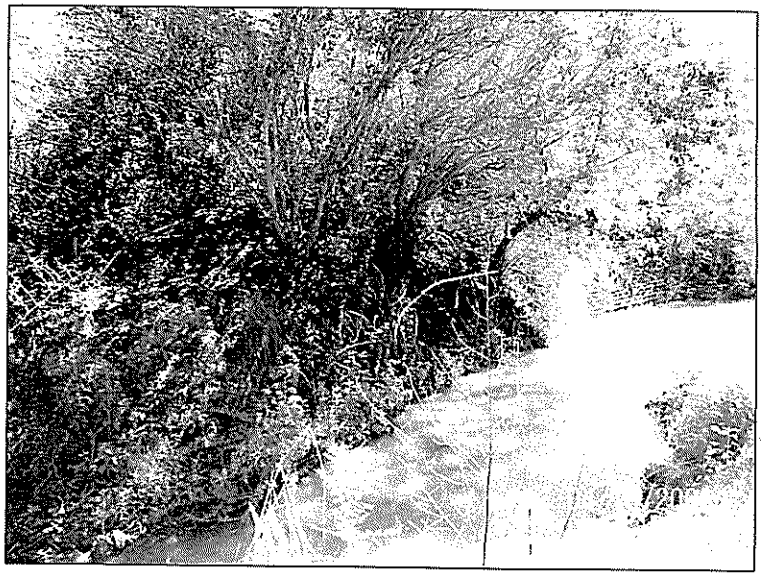
EROSION REPAIR SITE
STA 1+000 TO STA 1+011

SCALE	AS SHOWN
VERIFY SCALES	0 25
	BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY
PROJECT NUMBER	10104011
SHEET CODE:	C-7
PAGE NUMBER:	14 OF 37



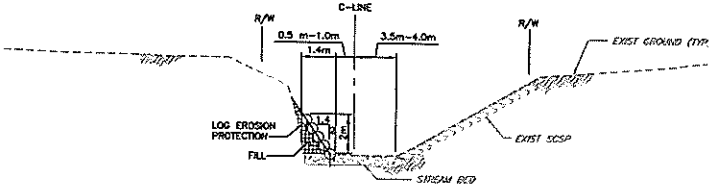
PLAN

PLAN SCALE 1:75



EROSION SITE AT STA 1+028 TO STA 1+038

LOOKING U/S



DETAIL 1/- EROSION SITE

STA 1+028 TO STA 1+038

NTS

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. SEE SHEET G-4 FOR SURVEY CONTROL INFORMATION.

DATE	08/31/07
DESIGN	C. CHUNG
DRAWN	L.P./M.S.
CHECKED	T. NOAH
PROJECT ENGINEER	MM-DD-YY

ENGINEERING CERTIFICATION

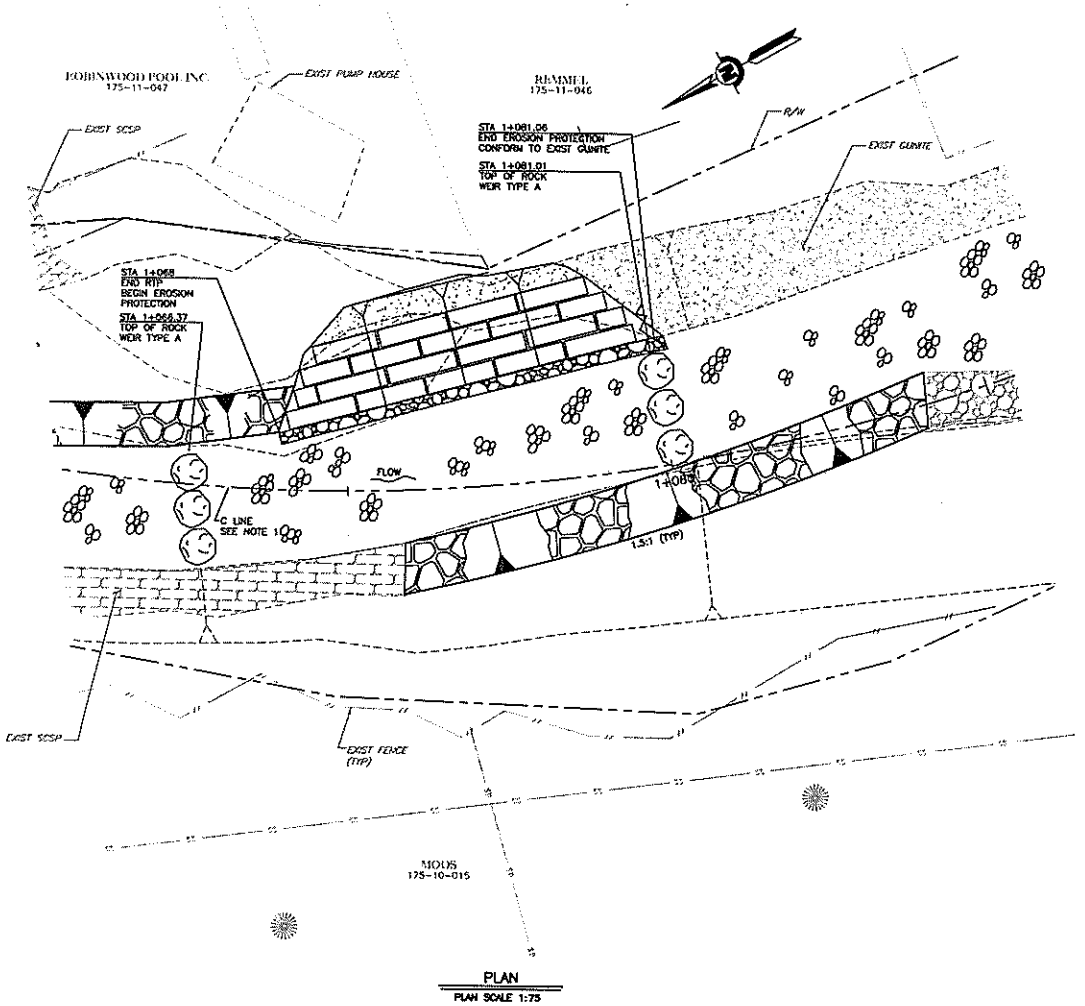
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

EROSION REPAIR SITE STA 1+028 TO STA 1+038

SCALE	AS SHOWN
VERIFY SCALES	0 25
BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	
PROJECT NUMBER	10104011
SHEET CODE:	C-8
PAGE NUMBER:	15 OF 37



PLAN

PLAN SCALE 1:75

EROSION SITE AT STA 1+068 TO STA 1+081.06

LOOKING U/S

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. SEE SHEET G-4 FOR SURVEY CONTROL INFORMATION.

DATE	08/31/07
DESIGN	C. CHUNG
DRAWN	L.P./M.S.
CHECKED	T. NOAH

ENGINEERING CERTIFICATION

PROJECT ENGINEER MM-DD-YY

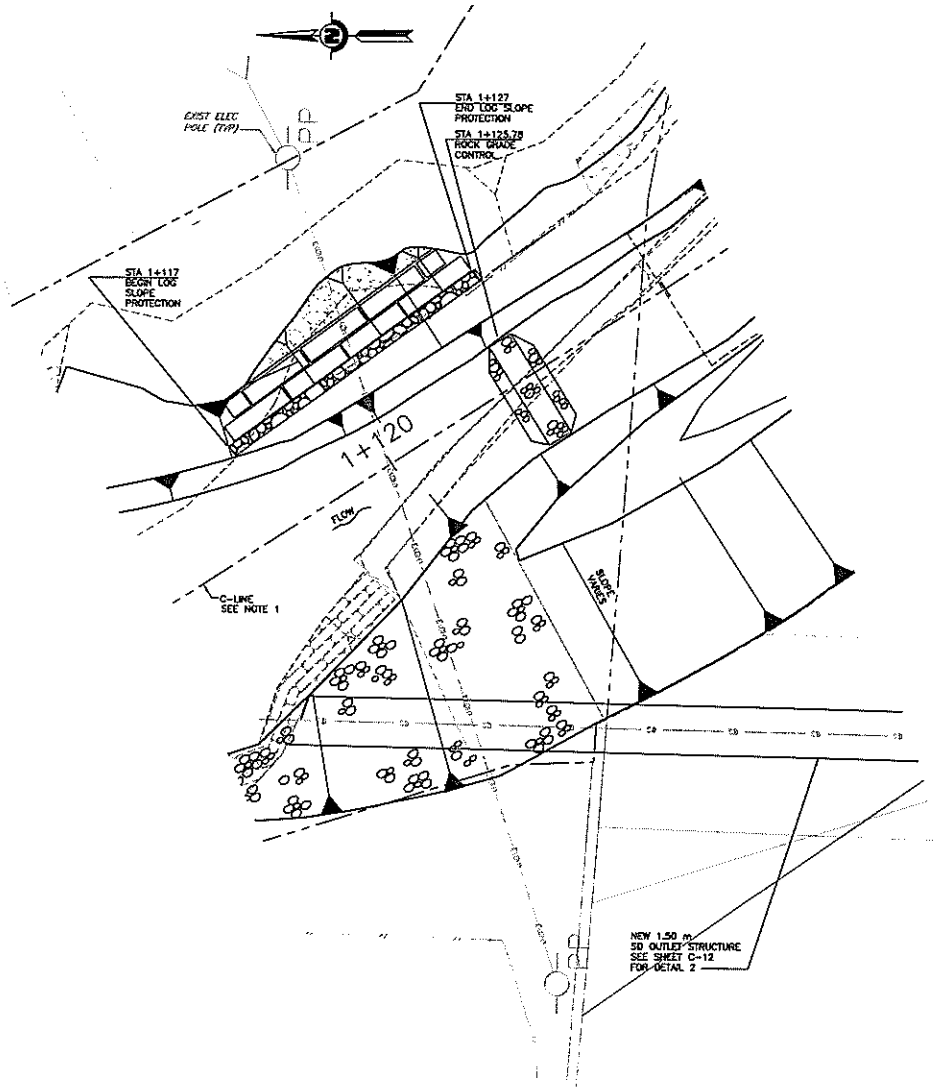
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

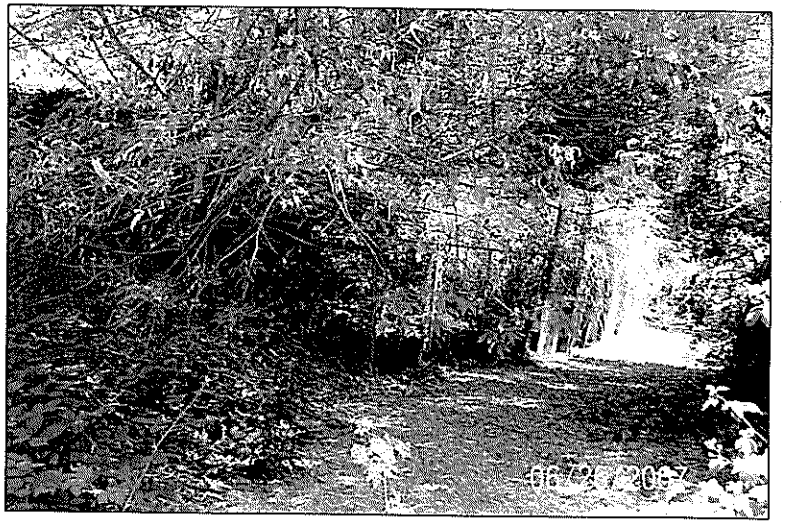
EROSION REPAIR SITE
STA 1+068 TO STA 1+081.06

SCALE	AS SHOWN
VERIFY SCALES	0 25 (BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY)
PROJECT NUMBER	1D104011
SHEET CODE:	C-9
PAGE NUMBER:	16 OF 37



PLAN

PLAN SCALE 1:75



EROSION SITE AT STA STA 1+116 TO STA 1+126

LOOKING U/S

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. SEE SHEET G-4 FOR SURVEY CONTROL INFORMATION.

DATE	ENGINEERING CERTIFICATION
08/31/07	
DESIGN	
C. CHUNG	
DRAWN	
L.P./M.S.	
CHECKED	
T. NOAH	
PROJECT ENGINEER MM-DD-YY	

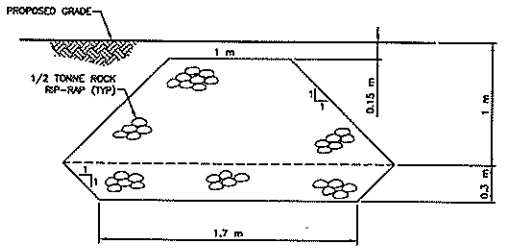
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

EROSION REPAIR SITE
STA 1+116 TO STA 1+126

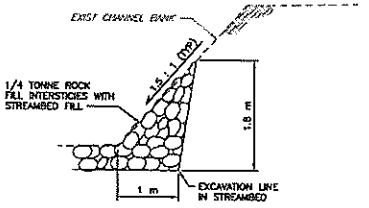
SCALE	PROJECT NUMBER
AS SHOWN	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: C-10
	PAGE NUMBER: 17 OF 37



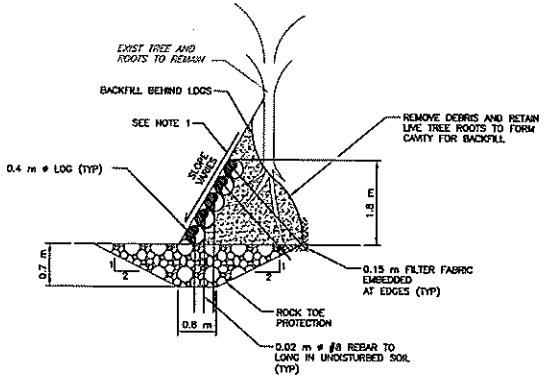
NOTE:

1. PLACE 1/2 TONNE RIP-RAP IN 0.3 m LIFTS. FILL INTERSTICIES WITH STREAMBED FILL IN EACH SUCCESSIVE LIFT. STREAMBED FILL MATERIAL TOO LARGE TO FIT IN INTERSTICIES WILL BE REMOVED FROM TOP OF GROIN BEFORE PLACEMENT OF ADDITIONAL LIFTS.

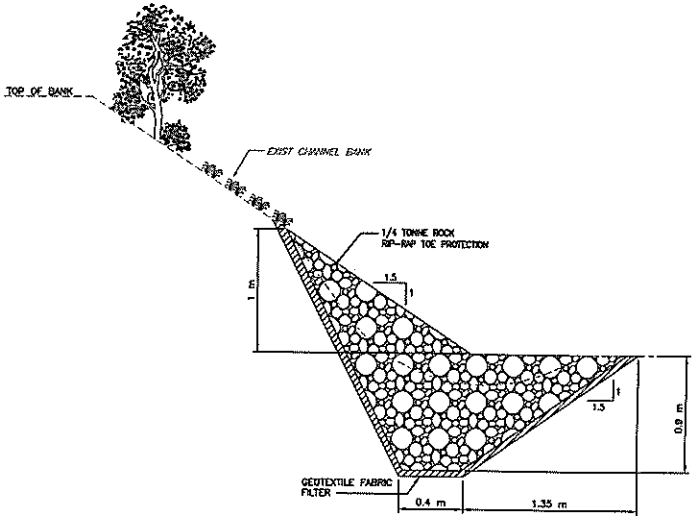
DETAIL 1 / C-1 ROCK GRADE CONTROL STRUCTURE
NTS



DETAIL 3 / C-6 ROCK KEY INTO BANK
NTS



DETAIL 2 / C-1 LOG SLOPE TO PROTECTION
NTS



DETAIL 4 / C-1 ROCK TOE PROTECTION
NTS

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

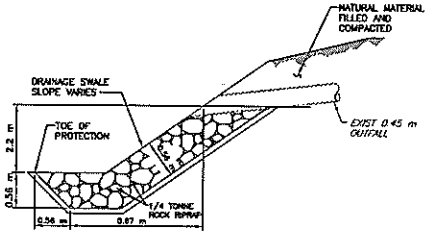
REFERENCE INFORMATION AND NOTES
1. LOG SLOPE TO MATCH EXISTING U/S AND D/S BANK SLOPES

DATE	ENGINEERING CERTIFICATION
08/31/07	
DESIGN: C. CHUNG	
DRAWN: L.P./M.S.	
CHECKED: T. NOAH	
PROJECT ENGINEER MM-DD-YY	

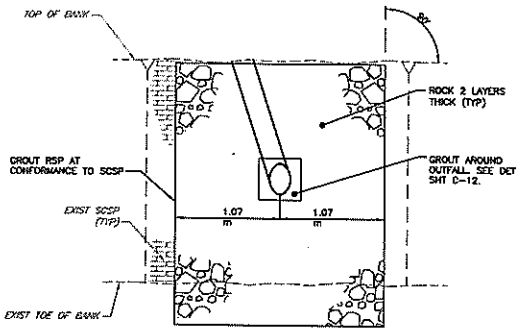
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT
MISCELLANEOUS STRUCTURE DETAILS

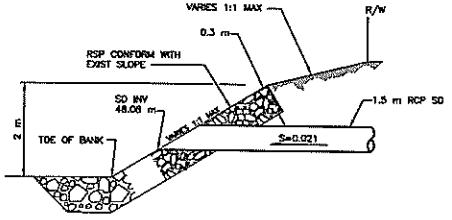
SCALE	PROJECT NUMBER
NOT TO SCALE	10104011
VERIFY SCALES: 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: C-11
	PAGE NUMBER: 18 OF 37



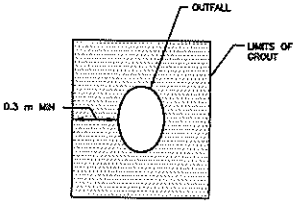
DETAIL (1 / C-2 / C-3) 0.45 m OUTFALL MODIFICATION
NTS



DETAIL (3 / C-3) OUTFALL WITH ROCK SLOPE PROTECTION
PLAN
NTS



DETAIL (2 / C-3) 1.5 m STORM DRAIN OUTFALL
NTS



DETAIL (4 / –) OUTFALL GROUT
NTS

REV.	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES
1. THE OUTFALL PIPE IS TO BE CUT OFF FLUSH WITH THE SLOPE PROTECTION.

DATE 08/31/07
DESIGN C. CHUNG
DRAWN L.P./M.S.
CHECKED T. NIGAH
ENGINEERING CERTIFICATION
PROJECT ENGINEER MM-DD-YY

Santa Clara Valley Water District

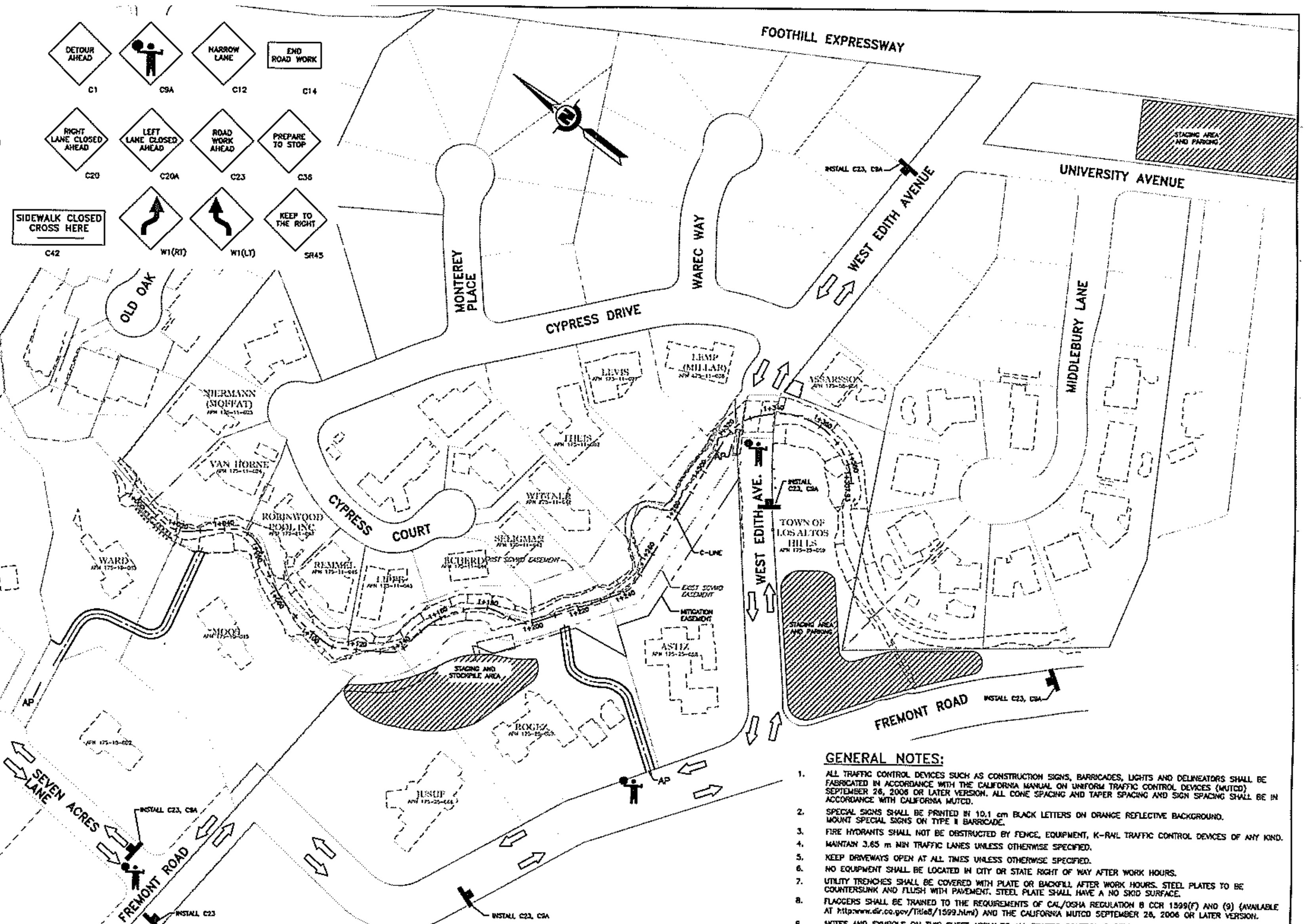
PROJECT NAME AND SHEET DESCRIPTION:
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT
STORM DRAIN OUTFALL DETAILS

SCALE NOT TO SCALE
VERIFY SCALES 0 25
BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 10104011
SHEET CODE: C-12
PAGE NUMBER: 19 OF 37

TRAFFIC CONTROL LEGEND

- ARROW BOARD
- CONSTRUCTION SIGN (SEE GENERAL NOTE 1)
- TRAFFIC DIRECTION
- (71 cm) TRAFFIC CONES W/33 cm (SCM)
- EXISTING FACE OF CURB OR EDGE OF PAVEMENT REFLECTIVE SLEEVE FOR DAY/NIGHT USE (SEE NOTE 1)
- FLAGGER
- HIGH LEVEL WARNING DEVICE (FLAG TREE)
- WORK AREA
- TANS TOW AWAY NO STOPPING _ TO _
- C49 – TYPE "K" RAIL W/ONE WAY REFLECTIVE MARKERS. SEE NOTES 1 & 2.
- TRAFFIC DELINEATOR
- FLASHING ARROW SIGN



GENERAL NOTES:

1. ALL TRAFFIC CONTROL DEVICES SUCH AS CONSTRUCTION SIGNS, BARRICADES, LIGHTS AND DELINEATORS SHALL BE FABRICATED IN ACCORDANCE WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SEPTEMBER 26, 2006 OR LATER VERSION. ALL CONE SPACING AND TAPER SPACING AND SIGN SPACING SHALL BE IN ACCORDANCE WITH CALIFORNIA MUTCD.
2. SPECIAL SIGNS SHALL BE PRINTED IN 10.1 cm BLACK LETTERS ON ORANGE REFLECTIVE BACKGROUND. MOUNT SPECIAL SIGNS ON TYPE II BARRICADE.
3. FIRE HYDRANTS SHALL NOT BE OBSTRUCTED BY FENCE, EQUIPMENT, K-RAIL TRAFFIC CONTROL DEVICES OF ANY KIND.
4. MAINTAIN 3.65 m MIN TRAFFIC LANES UNLESS OTHERWISE SPECIFIED.
5. KEEP DRIVEWAYS OPEN AT ALL TIMES UNLESS OTHERWISE SPECIFIED.
6. NO EQUIPMENT SHALL BE LOCATED IN CITY OR STATE RIGHT OF WAY AFTER WORK HOURS.
7. UTILITY TRENCHES SHALL BE COVERED WITH PLATE OR BACKFILL AFTER WORK HOURS. STEEL PLATES TO BE COUNTERSUNK AND FLUSH WITH PAVEMENT. STEEL PLATE SHALL HAVE A NO SKID SURFACE.
8. FLAGGERS SHALL BE TRAINED TO THE REQUIREMENTS OF CAL/OSHA REGULATION 8 CCR 1599(F) AND (9) (AVAILABLE AT http:www.dir.ca.gov/Title8/1599.html) AND THE CALIFORNIA MUTCD SEPTEMBER 26, 2006 OR LATER VERSION.
9. NOTES AND SYMBOLS ON THIS SHEET APPLY TO ALL TRAFFIC CONTROL SHEETS.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	PRELIMINARY 08-28-07			

DATE 08/31/07
DESIGN C. CHUNG
DRAWN M. SUTO
CHECKED T. NOAH

ENGINEERING CERTIFICATION
PROJECT ENGINEER DATE

Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

TRAFFIC CONTROL PLAN

SCALE 1:500
VERIFY SCALES 0 25
BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 10104011
SHEET CODE: C-13
PAGE NUMBER: 20 OF 37

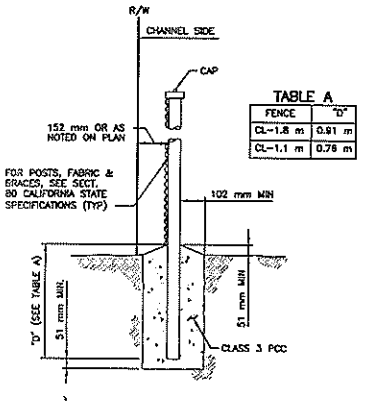
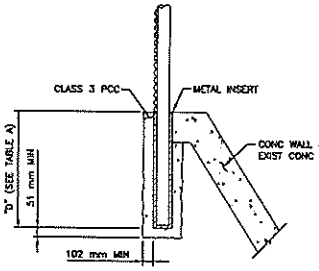


TABLE A	
FENCE	"D"
CL-1.8 m	0.91 m
CL-1.1 m	0.76 m

DETAIL 2 / C-3 IN GROUND
NTS



DETAIL 4 / C-3 ALONG VERTICAL CONCRETE WALL
NTS

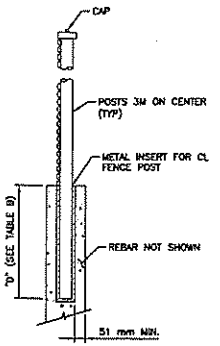
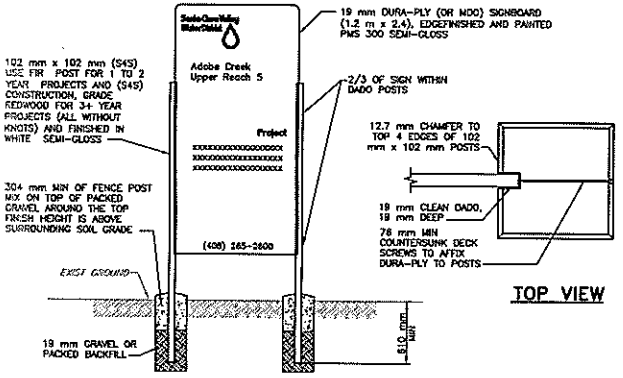


TABLE B	
FENCE	"D"
CL-1.8 m	0.81 m
CL-1.5 m	0.46 m
CL-1.1 m	0.30 m

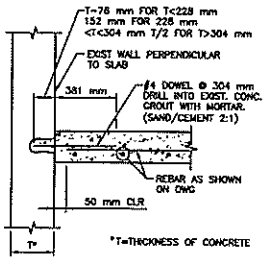
DETAIL 5 / C-3 IN CONCRETE WALL
NTS

CHAIN LINK FENCE INSTALLATION

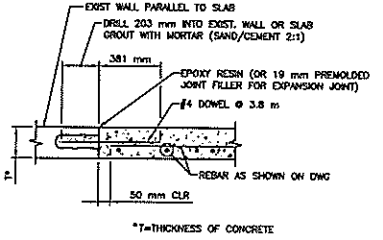


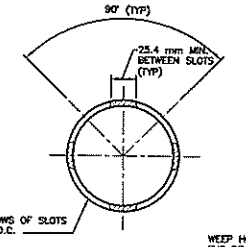
NOTES:
1. FOR SIGN LOCATION, SEE PLAN AND PROFILE SHEETS
2. CONTRACTOR TO INSTALL DISTRICT FURNISHED SIGNS, SEE SPECIFICATIONS.

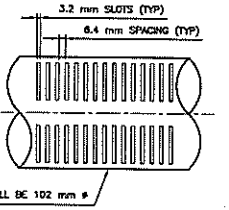
DETAIL 1 / C-5 PROJECT SIGN
NTS



DETAIL 3 / C-3 CONSTRUCTION JOINT TO EXISTING CONCRETE WINGWALL
NTS

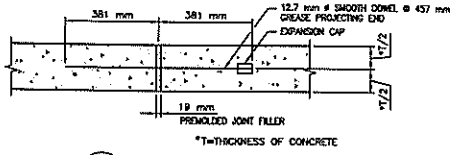




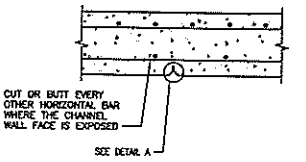


DETAIL 9 / C-3 POLYVINYL CHLORIDE (PVC) DRAIN PIPE WEEP HOLES
NTS

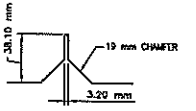
DETAIL 8 / C-3 SETTLEMENT JOINT
NTS



DETAIL 7 / C-3 EXPANSION JOINT
NTS



SECTION



DETAIL A

DETAIL 6 / C-3 CONTRACTION OR WEAKENED PLANE JOINT
NTS

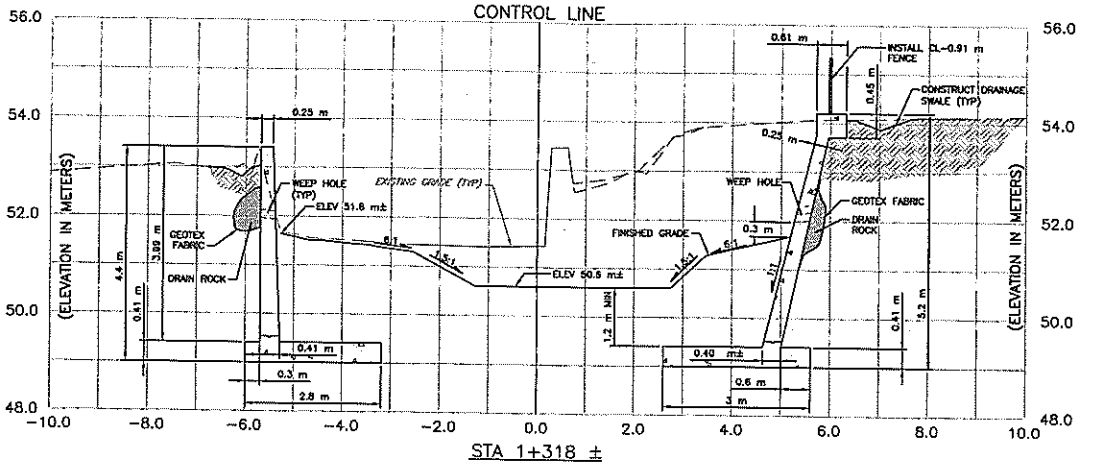
REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	PRELIMINARY 06-06-07			

DATE	ENGINEERING CERTIFICATION
06-06-07	
DESIGN	
C. CHUNG	
DRAWN	
M. SUTO	
CHECKED	
T. NOAH	PROJECT ENGINEER DATE

Santa Clara Valley Water District

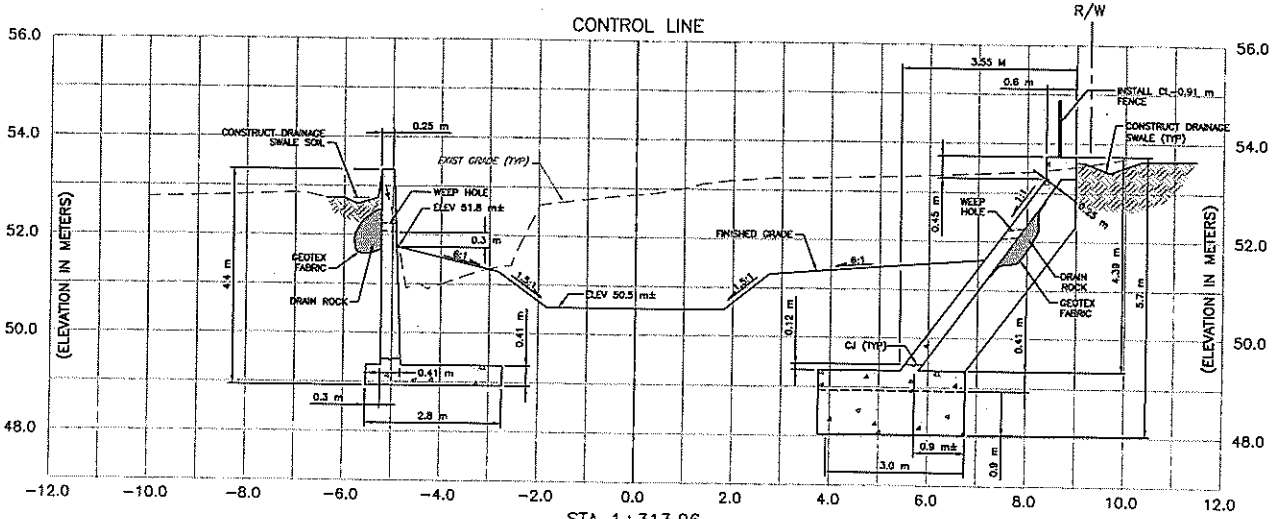
PROJECT NAME AND SHEET DESCRIPTION:
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT
STANDARD CIVIL DETAILS

SCALE	PROJECT NUMBER
NOT TO SCALE	10104011
VERIFY SCALES	SHEET CODE:
0 25	C-14
BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	PAGE NUMBER: 21 OF 37



STA 1+318 ±

SECTION B / S-1 WING WALL AT WEST EDITH AVE BRIDGE AT STA 1+318 ±
SCALE: 1:50



STA 1+313.96

SECTION A / S-1 WING WALL AT BRIDGE WALL AT STA 1+313.96
SCALE: 1:50

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES
	PRELIMINARY 08-28-07			

DATE 08-08-07
DESIGN M. NGUYEN
DRAWN L. PENILLA
CHECKED M. NGUYEN

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER — No. 25268 Exp. 12/31/07 — CIVIL — STATE OF CALIFORNIA
PROJECT ENGINEER DATE

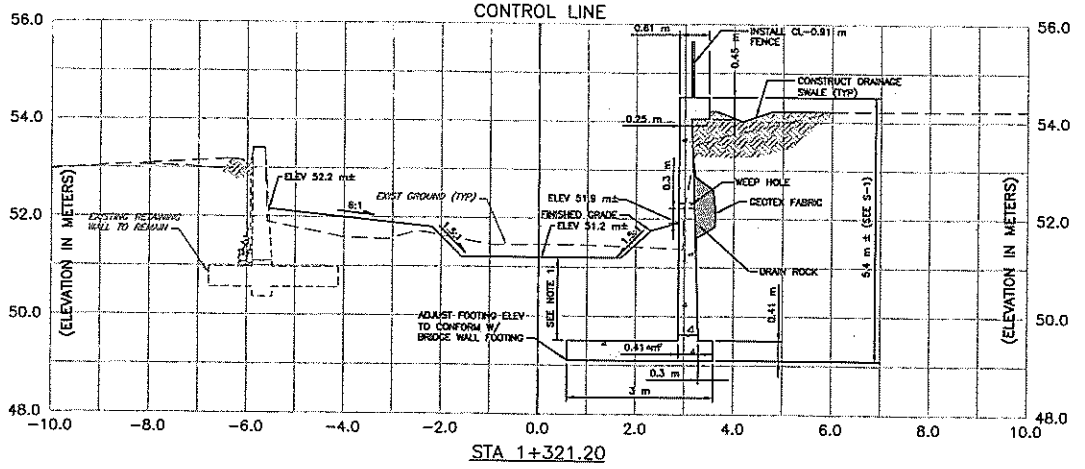
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

WINGWALL SECTIONS
STA 1+313.96 & 1+318

SCALE: AS SHOWN
VERIFY SCALES: 0 25
BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 10104011
SHEET CODE: S-1
PAGE NUMBER: 22 OF 37



SECTION C / S-1 WINGWALL AT BRIDGE WALL AT STA 1+321.20
SCALE: 1:20

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. ADJUST FOOTING ELEVATION TO MATCH WITH BRIDGE WALL FOOTING. SEE WARPED WING WALL ELEVATION DETAIL.

DATE 08-06-07
DESIGN M. NGUYEN
DRAWN L. PENILLA
CHECKED M. NGUYEN

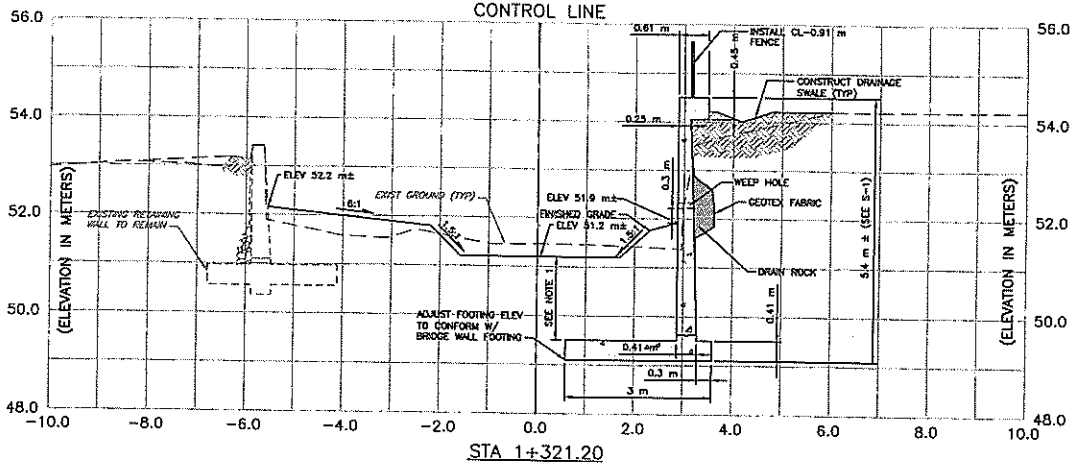
ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER — No. 35596 Exp. 12/31/07 — CIVIL — STATE OF CALIFORNIA
PROJECT ENGINEER DATE

Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT
WINGWALL SECTION STA 1+321.20

SCALE AS SHOWN
VERIFY SCALES 0 25
BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 10104011
SHEET CODE: S-2
PAGE NUMBER: 23 OF 37



SECTION C / S-1 **WINGWALL AT BRIDGE WALL AT STA 1+321.20**
SCALE: 1:20

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. ADJUST FOOTING ELEVATION TO MATCH WITH BRIDGE WALL FOOTING. SEE WARPED WING WALL ELEVATION DETAIL.

DATE 06-06-07
DESIGN M. NGUYEN
DRAWN L. PERILLA
CHECKED M. NGUYEN

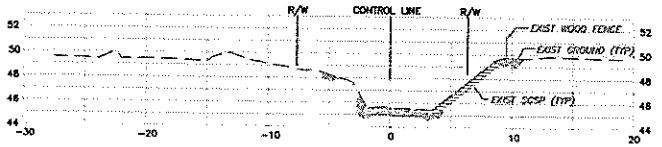
ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER — No. 23096, Exp. 12/31/07, Civil, STATE OF CALIFORNIA
PROJECT ENGINEER DATE

Santa Clara Valley Water District

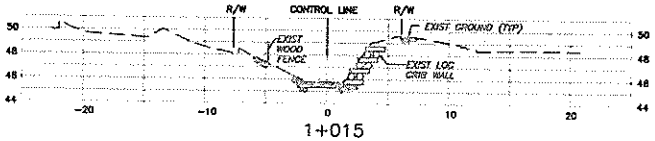
PROJECT NAME AND SHEET DESCRIPTION:
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT
WINGWALL SECTION STA 1+321.20

SCALE: AS SHOWN
VERIFY SCALES: 0 25 — BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY

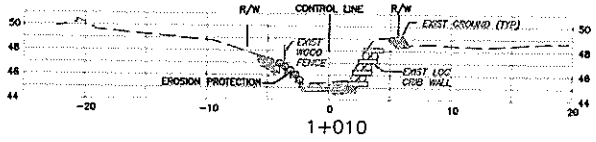
PROJECT NUMBER: 10104011
SHEET CODE: S-2
PAGE NUMBER: 23 OF 37



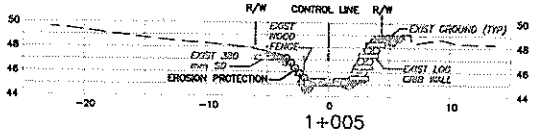
1+025



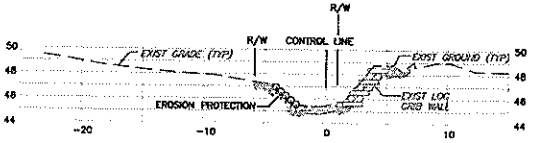
1+015



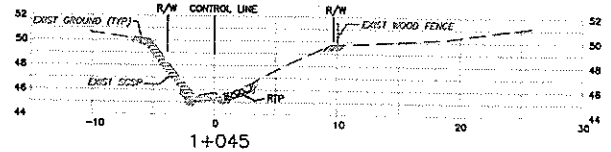
1+010



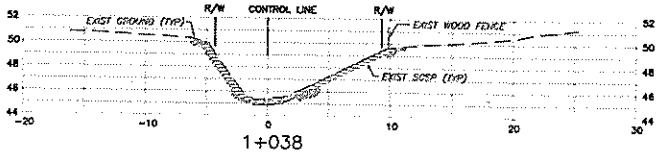
1+005



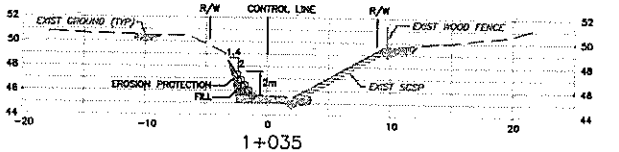
1+000



1+045



1+038



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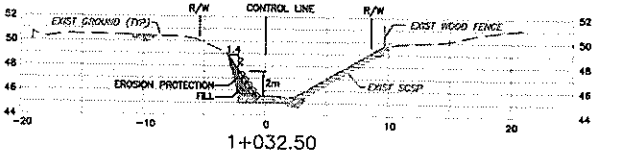

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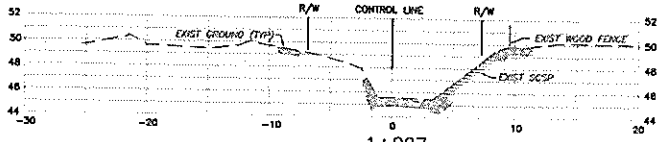


1+027

LOOKING UPSTREAM

DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
PRELIMINARY 08-28-07			

DATE	4/19/07
DESIGN	T.NOAH
DRAWN	J.CORDOVA
CHECKED	T.NOAH

ENGINEERING CERTIFICATION

PROJECT ENGINEER — 08-20-07

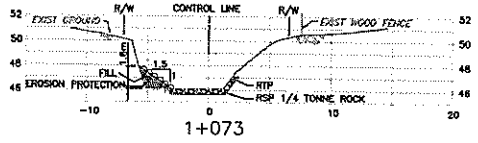
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

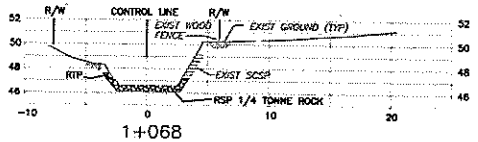
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

CROSS SECTIONS
STAT 1+000 TO STAT 1+045

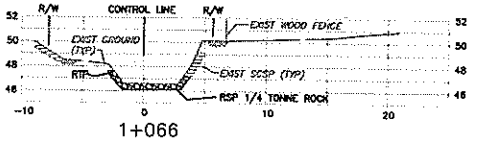
SCALE	H 1:200 V 1:200
VERIFY SCALES	0 25 — BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY
PROJECT NUMBER	10104011
SHEET CODE:	X-1
PAGE NUMBER:	33 OF 37



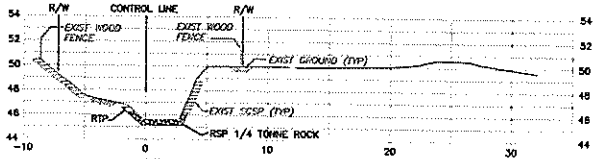
1+073



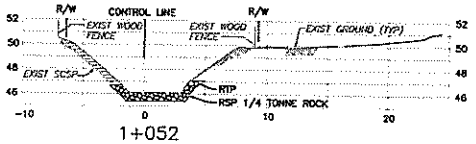
1+068



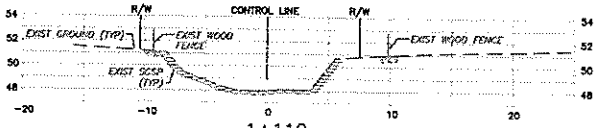
1+066



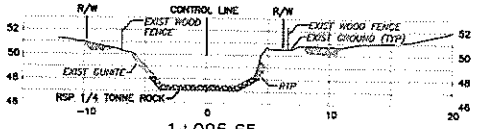
1+059



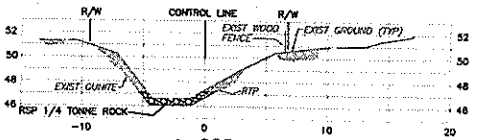
1+052



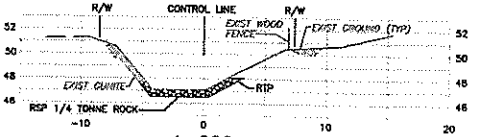
1+110



1+095.65



1+088



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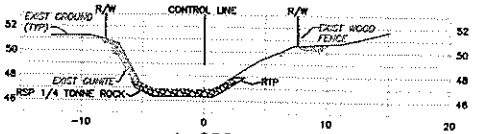


1+080

LOOKING UPSTREAM

DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
PRELIMINARY 08-28-07			

DATE	ENGINEERING CERTIFICATION
4/19/07	
DESIGN T.NOAH	
DRAWN J.CORDOVA	
CHECKED T.NOAH	
PROJECT ENGINEER MM-DD-YY	

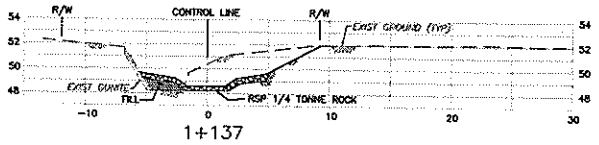
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

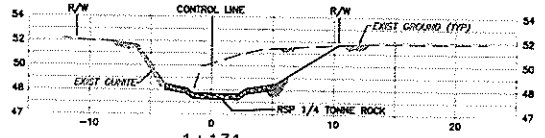
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

CROSS SECTIONS STATION 1+052 TO STATION 1+110

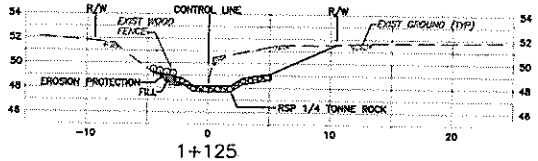
SCALE	PROJECT NUMBER
H 1:200 V 1:200	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: X-2
	PAGE NUMBER: 34 OF 37



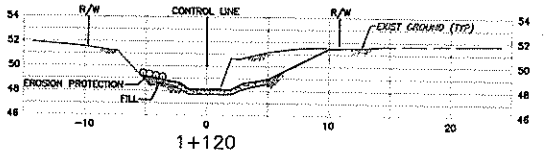
1+137



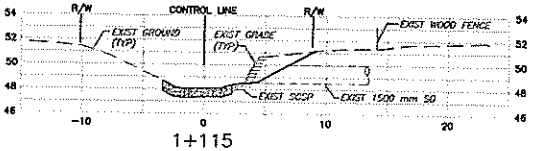
1+131



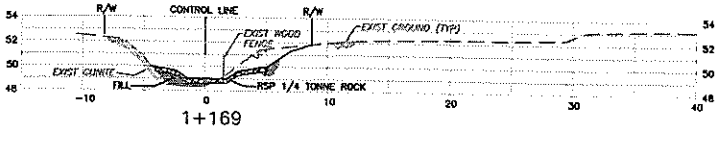
1+125



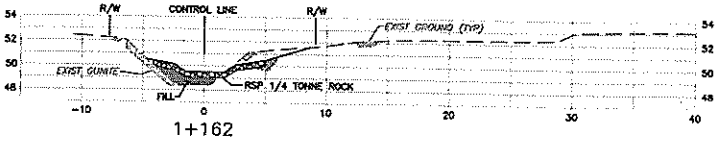
1+120



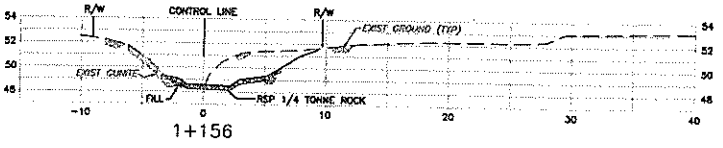
1+115



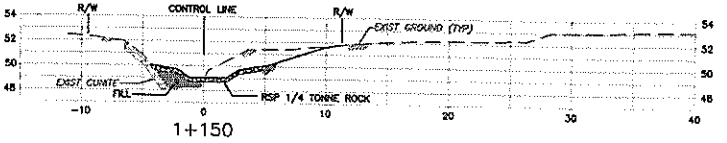
1+169



1+162



1+156



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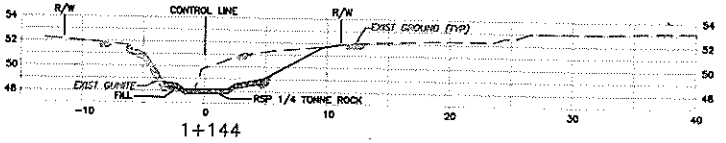


1+144

LOOKING UPSTREAM

DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
PRELIMINARY 08-28-07			

DATE	ENGINEERING CERTIFICATION
4/19/07	
DESIGN	
D. CHUNG	
DRAWN	
L. PENILLA	
CHECKED	
T.NOAH	
PROJECT ENGINEER	MM-DD-YY

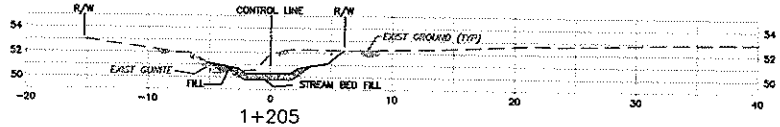
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

CROSS SECTIONS
STATION 1+115 TO STATION 1+169

SCALE	PROJECT NUMBER
H 1:200 V 1:200	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: X-3
	PAGE NUMBER: 35 OF 37



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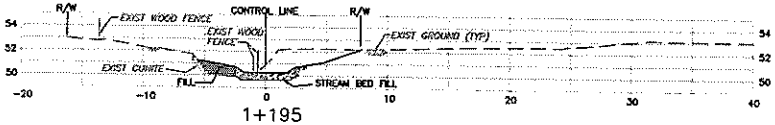

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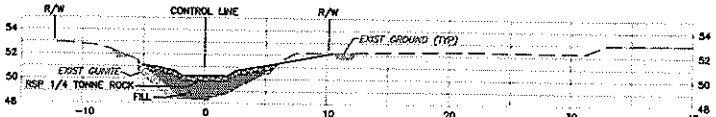

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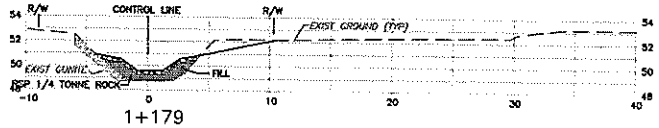

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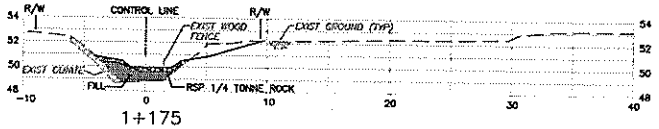

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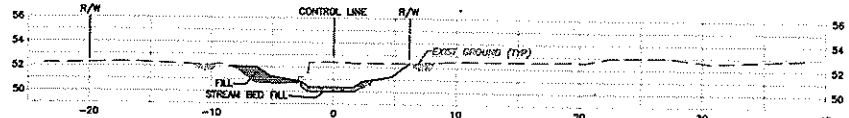

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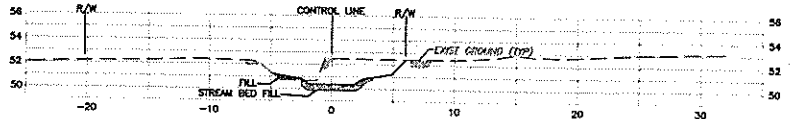

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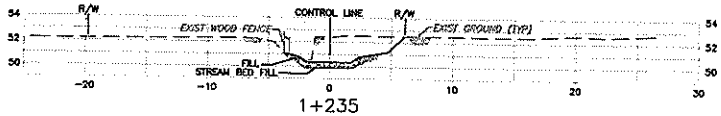

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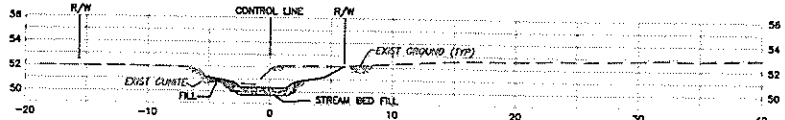

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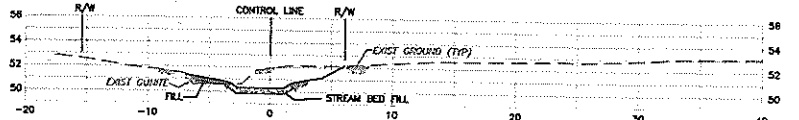


1+215

LOOKING UPSTREAM

DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
PRELIMINARY 08-28-07			

DATE	4/19/07
DESIGN	C. CHUNG
DRAWN	L. PERILLA
CHECKED	T.NOAH
PROJECT ENGINEER	MM-DD-YY

ENGINEERING CERTIFICATION

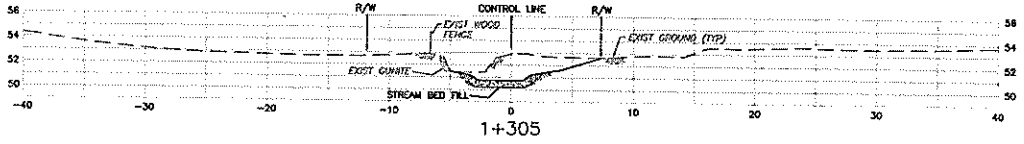
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

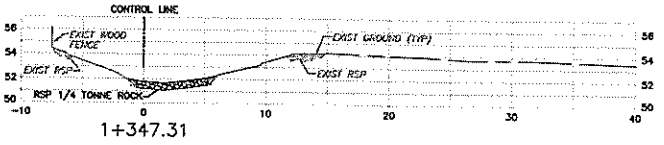
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

CROSS SECTIONS
STATION 1+175 TO STATION 1+255

SCALE	H 1:200 V 1:200
VERIFY SCALES	0 25
	BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY
PROJECT NUMBER	10104011
SHEET CODE:	X-4
PAGE NUMBER:	36 OF 37



1+305



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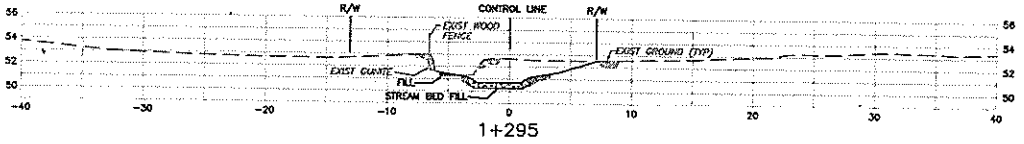
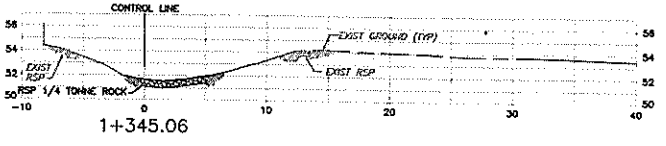


1+295



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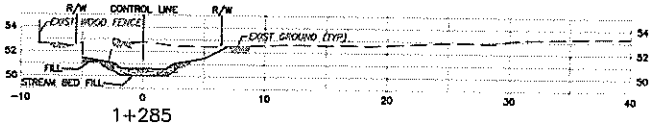

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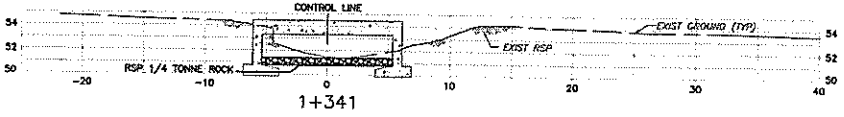

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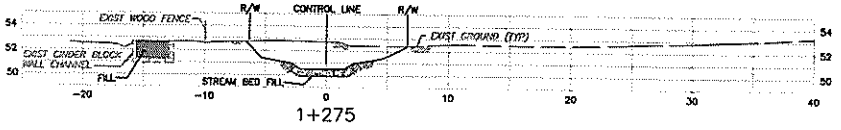

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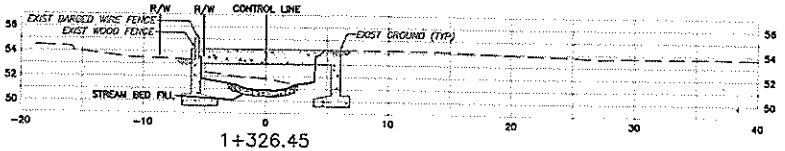

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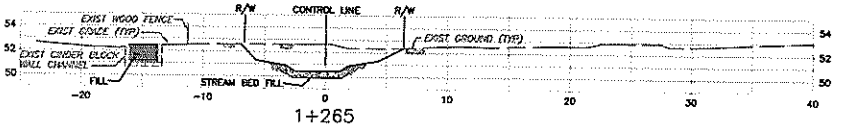

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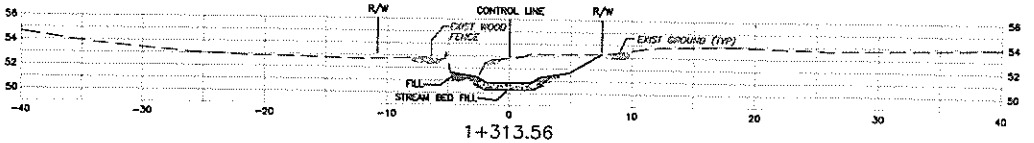


1+313.56

LOOKING UPSTREAM

DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
PRELIMINARY 08-28-07			

DATE	ENGINEERING CERTIFICATION
4/19/07	
DESIGN	
C. CHUNG	
DRAWN	
L. PENILLA	
CHECKED	
T.NOAH	
PROJECT ENGINEER	MM-DD-YY

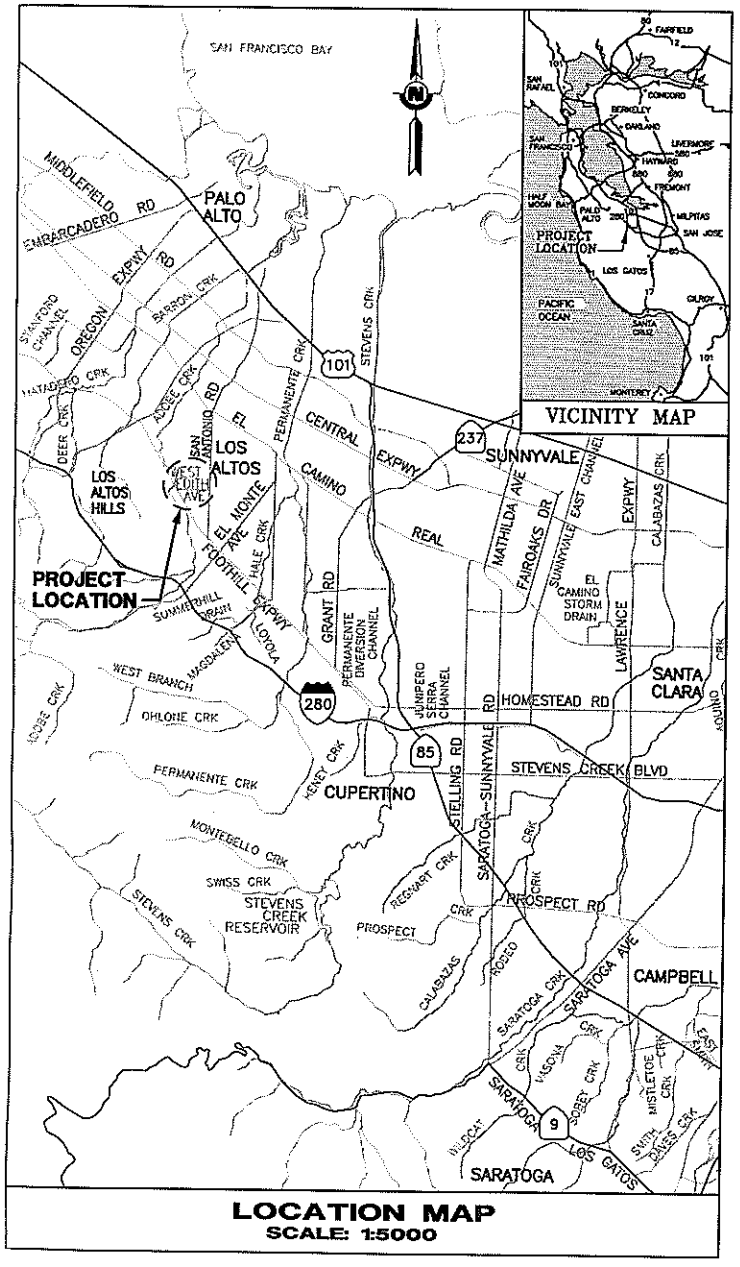
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

CROSS SECTIONS STATION 1+265 TO STATION 1+347.31

SCALE	PROJECT NUMBER
H 1:200 V 1:200	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: X-5
	PAGE NUMBER: 37 OF 37



MAP AND CONSTRUCTION PLAN

FOR

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

FROM 300 METERS UPSTREAM OF FOOTHILL EXPRESSWAY TO WEST EDITH AVENUE

Santa Clara Valley Water District SM

APPROVED BY:

SAEID S. HOSSEINI — DATE
SENIOR PROJECT MANAGER–CPSD
SANTA CLARA VALLEY WATER DISTRICT

SAEID S. HOSSEINI No. 50828 9/30/07 CIVIL STATE OF CALIFORNIA PROFESSIONAL ENGINEER

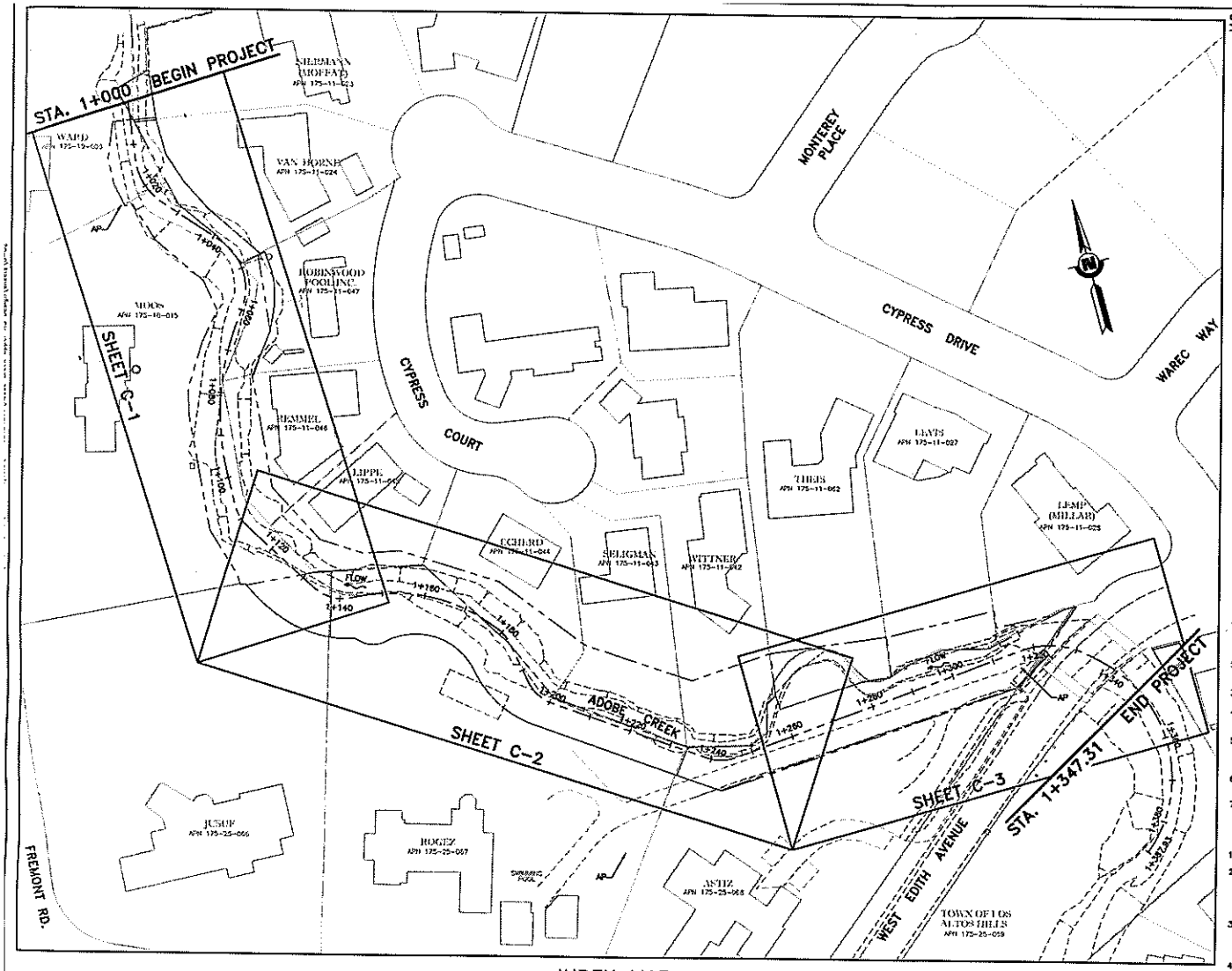
KATHERINE OVEN — DATE
ASSISTANT OPERATING OFFICER–CPSD
SANTA CLARA VALLEY WATER DISTRICT

ACCEPTED BY:

BEAU GOLDIE — DATE
DEPUTY OPERATING OFFICER–WWD
SANTA CLARA VALLEY WATER DISTRICT

60% PRELIMINARY
08-28-07

PROJECT NUMBER
10104011
SHEET CODE:
G-1
PAGE NUMBER:
1 OF 37



INDEX MAP

SCALE: 1:500

SHEET CODE	SHEET DESCRIPTION	PAGE NO.
	GENERAL	
G-1	LOCATION MAP AND TITLE SHEET	1 OF 37
G-2	INDEX MAP, DRAWING LIST & GENERAL NOTES	2 OF 37
G-3	ABBREVIATIONS, LEGEND & SYMBOLS	3 OF 37
G-4	SURVEY LAYOUT	4 OF 37
G-5	RIGHT-OF-WAY, STAGING AREA AND SITE ACCESS	5 OF 37
	DEMOLITION	
D-1	DEMOLITION PLAN – TREE REMOVAL	6 OF 37
D-2	DEMOLITION PLAN – MISCELLANEOUS MATERIAL REMOVAL	7 OF 37
	CIVIL	
C-1	PLAN AND PROFILE, STA 1+000 TO STA 1+130	8 OF 37
C-2	PLAN AND PROFILE, STA 1+130 TO STA 1+260	9 OF 37
C-3	PLAN AND PROFILE, STA 1+260 TO STA 1+347.31	10 OF 37
C-4	TYPICAL CHANNEL SECTIONS	11 OF 37
C-5	TYPICAL CHANNEL SECTIONS	12 OF 37
C-6	ROCK WEIR DETAILS	13 OF 37
C-7	EROSION REPAIR SITE, STA 1+000 TO STA 1+011	14 OF 37
C-8	EROSION REPAIR SITE, STA 1+028 TO STA 1+038	15 OF 37
C-9	EROSION REPAIR SITE, STA 1+068 TO STA 1+081.06	16 OF 37
C-10	EROSION REPAIR SITE, STA 1+116 TO STA 1+126	17 OF 37
C-11	MISCELLANEOUS STRUCTURE DETAILS	18 OF 37
C-12	STORM DRAIN OUTFALL DETAILS	19 OF 37
C-13	TRAFFIC CONTROL PLAN	20 OF 37
C-14	STANDARD CIVIL DETAILS	21 OF 37
	STRUCTURAL	
S-1	WINGWALL SECTIONS STA 1+313.96 & STA 1+318	22 OF 37
S-2	WINGWALL SECTION STA 1+321.20	23 OF 37
	LANDSCAPE	
P-1	GENERAL AND PLANTING NOTES	24 OF 37
P-2	PLANTING LEGEND	25 OF 37
P-3	PLANTING LAYOUT	26 OF 37
P-4	PLANTING LAYOUT	27 OF 37
P-5	PLANTING LAYOUT	28 OF 37
P-6	PLANTING DETAILS	29 OF 37
P-7	PLANTING DETAILS	30 OF 37
I-1	1 IRRIGATION NOTES	31 OF 37
I-2	2 IRRIGATION NOTES	32 OF 37
	CROSS SECTIONS	
X-1	CROSS SECTIONS STA 1+000 TO STA 1+045	33 OF 37
X-2	CROSS SECTIONS STA 1+052 TO STA 1+110	34 OF 37
X-3	CROSS SECTIONS STA 1+113 TO STA 1+169	35 OF 37
X-4	CROSS SECTIONS STA 1+175 TO STA 1+255	36 OF 37
X-5	CROSS SECTIONS STA 1+265 TO STA 1+347.31	37 OF 37

GENERAL NOTES

1. ALL EXISTING FACILITIES, STRUCTURES, TREES, FENCES, LANDSCAPING, ETC., DESIGNATED "EXIST" OR SHOWN EXISTING (DASHED LINES) ARE TO REMAIN, ONLY THOSE SPECIFICALLY DESIGNATED FOR REMOVAL AS SHOWN ON THE DRAWINGS, OR AS DIRECTED BY THE ENGINEER, SHALL BE REMOVED.
2. ALL REFERENCES MADE TO RIGHT OR LEFT AND ALL CROSS-SECTIONS SHOWN ON THE PLANS ARE VIEWED LOOKING UPSTREAM.
3. ELECTRICAL AND TELEPHONE LINES SHOWN ON THE PLANS ARE OVERHEAD FACILITIES, UNLESS NOTED OTHERWISE.
4. LOCATIONS AND DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE BASED ON AVAILABLE INFORMATION FROM THE UTILITY COMPANY AND ARE TO BE CONSIDERED AS APPROXIMATE ONLY.
5. PRIOR TO PERFORMING ANY WORK IN THE VICINITY OF EXISTING UNDERGROUND UTILITIES, THE CONTRACTOR SHALL VERIFY THEIR LOCATIONS AND DEPTHS AND TAKE PROPER PRECAUTIONS TO AVOID ANY DAMAGE TO THEM. CALL UNDERGROUND SERVICE ALERT AT (800) 842-2444 FOR LOCATION.
6. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE STATE WATER RESOURCES CONTROL BOARD FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
7. UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN METERS.

DESIGN NOTES

1. DESIGN DISCHARGE IS: Q = 31.15 CMS (1,100 CFS)
2. MANNINGS ROUGHNESS COEFFICIENT (n) IS AS FOLLOWS WHERE APPLICABLE.
   - A. EARTH CHANNEL = 0.035
   - B. ROCK CHANNEL = 0.040
   - C. REVEGETATION AREAS = 0.060
3. UNIT STRENGTHS FOR REINFORCED CONCRETE ARE AS FOLLOWS:
   - A. CONCRETE F'C MPA = 30 OR AS OTHERWISE SPECIFIED (4,350 PSI)
   - B. STEEL, FY MPA = 420 OR AS OTHERWISE SPECIFIED (60,915 PSI)
4. BASIS OF ELEVATION: NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88) USING S.C.V.W.D. VERTICAL CONTROL. VERTICAL CONTROL BASED ON SCVWD BENCHMARKS BM288, ELEVATION = 56.7660.
5. BASIS OF BEARING: NORTH AMERICAN DATUM 1983 (NAD83) CALIFORNIA COORDINATE SYSTEM ZONE III (METERS).
6. SEE SHEET G-4 FOR CONTROL LINE LAYOUT & SURVEY CONTROL.

REV.	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	PRELIMINARY 08-28-07			

DATE	ENGINEERING CERTIFICATION
08/06/07	
DESIGN: C. CHUNG	
DRAWN: M. SUTO	
CHECKED: T. NOAH	
PROJECT ENGINEER	DATE

Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

INDEX MAP, DRAWING LIST & GENERAL NOTES

SCALE	PROJECT NUMBER
AS SHOWN	10104011
VERIFY SCALES: 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING. IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: G-2
	PAGE NUMBER: 2 OF 37

EXISTING / PROPOSED

EXISTING	PROPOSED	
JP	JP	JOINT POLE
PP	PP	POWER POLE
TP	TP	TELEPHONE POLE
E	E	ELECTRICAL MANHOLE
E	E	ELECTRIC METER
SD	SD	STORM DRAIN MANHOLE
CB	CB	CATCH BASIN / SD INLET
		SANITARY CLEANOUT
SS	SS	SANITARY MANHOLE
T	T	TELEPHONE MANHOLE
WV	WV	WATER VALVE
W	W	WATER METER
		BLOWOFF
GV	GV	GAS VALVE
G	G	GAS METER
90°	90° 270° 360°	SPRINKLER
PV	PV	PRECAST VAULT
T	T	TELEMETRY CABLE PULLBOX
V	V	VENTILATION STRUCTURE
		VALVE, SWITCH
		TREE
		TREES (NUMBER DENOTES SIZE & KIND OF TREE SHOWN IN TREE REMOVAL TABLE SHEET D-1
		STORM DRAIN OUTFALL
		FIRE HYDRANT
		UTILITIES BOXES
		ELECTROLIER
		POLE AND GUY ANCHOR
		CRIB WALL

FACILITIES

SLOPE OF BANK (Down)

SACKED CONCRETE SLOPE PROTECTION

GABION LINING

ROCK SLOPE PROTECTION

GROUTED ROCK LINING

CONCRETE

GRAVEL

AC PAVEMENT

CONC. BARRIER

EXISTING LINE TYPES

CABLE TELEVISION (CTV)
ELECTRICAL LINE (E)
ELECTRICAL & TELEPHONE LINE (E/T)
ELECTRICAL LINE - OVERHEAD (E(OH))
TEMPORARY PRESERVATION FENCE (F)
GAS LINE (G)
IRRIGATION LINE (IR)
STORM DRAIN LINE (SD)
SANITARY SEWER LINE (SS)
TELEPHONE LINE (T)
TELEPHONE LINE - OVERHEAD (T(OH))
TRAFFIC SIGNAL LINE (TS)
TELEMETRY LINE (TC)
WATER LINE (W)
BARBED WIRE FENCE LINE
CHAIN LINK FENCE LINE
WOODEN FENCE LINE
TRAIL LINE
CUT OR FILL SLOPE (TOP / TOE)
CONTROL LINE
GROUND
RW UTILITY EASEMENT
ROW-FEE
PROPERTY-LINE
ROW-TRACT
ROW-SCVWD-EASEMENT

PROPOSED LINE TYPES

CTV
E
E/T
E(OH)
F
G
IR
SD
SS
T
T(OH)
TS
TC
W
TOP / TOE
℄

MISCELLANEOUS

- WATER SURFACE (PROFILE)
- CONE PENETROMETER
- S=0.0016 — SLOPE
- ANGLE
- & — AND
- @ — AT
- ℄ — CONTROL LINE OR CENTER LINE
- ℄ — FLOW LINE
- % — PERCENT
- ℗ — PROPERTY LINE
- ø — ROUND
- # — NUMBER
- 125 — NUMERICAL POINT DESIGNATION
- GEOTECHNICAL BORING LOCATION

SURVEY

- HORIZONTAL CONTROL
- VERTICAL CONTROL
- HORIZONTAL VERTICAL CONTROL
- SURVEY MONUMENT OR HORIZONTAL CONTROL POINT
- BENCH MARK
- MONUMENT SET AS NOTED
- FOUND IRON PIPE AS NOTED
- FOUND STD. CITY MONUMENT

TRAFFIC CONTROL

- SIGN-1
- SIGN-2
- BUS STOP
- TRAFFIC DIRECTION
- TRAFFIC CONE
- CONSTRUCTION SIGN
- FLASHING ARROW SIGN
- TYPE I - TRAFFIC BARRICADE
- TYPE III - TRAFFIC BARRICADE
- K-RAIL BARRIER (TEMPORARY)
- AP — ACCESS POINT
- ER — EXIST. RAMP

SPECIAL ABBREVIATIONS

MP/S	- CUBIC METERS PER SECOND
MPA	- MEGA PASCALS
F'C	- COMPRESSIVE STRENGTH OF CONCRETE

SPECIAL SYMBOLS

- BOLLARD

DETAIL AND SECTION DESIGNATION

- 1 / X-X — INDICATES DETAIL NUMBER; INDICATES SHEET FROM WHICH DETAIL APPEARS
- A / X-X — INDICATES SECTION DESIGNATION; INDICATES SHEETS FROM WHICH SECTION APPEARS

FOR USE WITH CALTRANS STANDARD PLANS DATED JULY, 2004

- BO-1 / X-X — INDICATES STANDARD PLAN SHEET NUMBER; INDICATES SHEET FROM WHICH DETAIL APPEARS

GENERAL ABBREVIATIONS

AB	- ANCHOR BOLT (- AGGREGATE BASE)
ABN	- ABANDON
ABUT	- ABUTMENT
AC	- ASPHALT CONCRETE
ACI	- AMERICAN CONCRETE INSTITUTE
ACP	- ASBESTOS CEMENT PIPE
ALIGN	- ALIGNMENT (- ALIGN)
ALT	- ALTERNATE (- ALTERNATED)
AMP	- AMPERE
AP	- ACCESS POINT
APPROX	- APPROXIMATE (- APPROXIMATELY)
ASPH	- ASPHALT
ASSY	- ASSEMBLY
AVE	- AVENUE
AVG	- AVERAGE
BC	- BEGIN CURVE
BF	- BOTH FACES
BIT	- BITUMINOUS
BK	- BANK
BLDG	- BUILDING
BM	- BENCH MARK
BOT	- BOTTOM
BR	- BRIDGE
BRG	- BEARING
BW	- BARBED WIRE
C	- CURVE, - CHORD
CB	- CATCH BASIN
CCP	- CONCRETE CYLINDER PIPE
CFM	- CUBIC FEET PER MINUTE
CFS	- CUBIC FEET PER SECOND
CIP	- CAST IRON PIPE
CJ	- CONSTRUCTION JOINT
CLR	- CLEAR (- CLEARANCE)
CL-1.8	- CHAIN LINK FENCE (NUMBER = HEIGHT)
CM	- CENTIMETER
CMP	- CORRUGATED METAL PIPE
CMS	- CUBIC METERS PER SECOND
COL	- COLUMN
CONC	- CONCRETE
CONST	- CONSTRUCT (CONSTRUCTION)
CONT	- CONTINUOUS (- CONTROL)
CRK	- CREEK
CY	- CUBIC YARDS
CYL	- CYLINDER
DBL	- DOUBLE
DEG (°)	- DEGREES
DI	- DROP INLET
DIA	- DIAMETER
DIP	- DUCTILE IRON PIPE
DR	- DRIVE
D/S	- DOWNSTREAM
DWG	- DRAWING (- DRAWINGS)
DWN	- DOWN
DET	- DETAIL
E	- EAST
EA	- EACH
EC	- END CURVE
EF	- EACH FACE
EG	- EXISTING GRADE
EJ	- EXPANSION JOINT
ELEC	- ELECTRIC (ELECTRICAL)
ELEV	- ELEVATION
E'LY	- EASTERLY
ENGR	- ENGINEER (ENGINEERING)
EP	- EDGE OF PAVEMENT
EQU	- EQUATION
EW	- EACH WAY
EXIST	- EXISTING
EXP	- EXPANSION
EXPWY	- EXPRESSWAY
FB	- FREEBOARD
FD	- FOUND
FF	- FAR FACE
FG	- FINISH GRADE
FH	- FIRE HYDRANT
FT (')	- FEET (- FOOT)
FTG	- FOOTING
FWY	- FREEWAY
G	- GAS
GA	- GAUGE (GAGE)
GAL	- GALVANIZE (GALVANIZED)
GB	- GUY ANCHOR AND POLE
GB	- GRADE BREAK
GFI	- GROUND FAULT INTERRUPTER
GPM	- GALLONS PER MINUTE
GP	- GUY POLE
GPS	- GALLONS PER SECOND
GR	- GRADE
GRD	- GROUND
GRP	- GROUP
H	- HEIGHT
HK	- HOOK (APPLIED TO REBAR)
H&T	- HUB AND TACK
HOR	- HORIZONTAL
HP	- HORSEPOWER, HINGEPOINT
HW	- HEADWALL
HWY	- HIGHWAY
ID	- INSIDE DIAMETER (DIMENSION)
IF	- INSIDE FACE
IN (")	- INCH (INCHES)
INV	- INVERT
IP	- IRON PIPE
IRRIG	- IRRIGATION
JCT	- JUNCTION
JP	- JOINT POLE
JT	- JOINT
L	- LENGTH (LONG)
LN	- LANE
LT	- LEFT
LP	- LIP OF GUTTER
MAINT	- MAINTENANCE
MATL	- MATERIAL(S)
MAX	- MAXIMUM
MBR	- MEMBER
MFP	- MODIFIED FLOOD PLAIN
MH	- MANHOLE
MIN	- MINIMUM
MON	- MONUMENT
MTL	- METAL
N	- NORTH
NAVD	- NORTH AMERICAN VERTICAL DATUM
N/A	- NOT APPLICABLE, NOT AVAILABLE
NE	- NORTHEAST
NE'LY	- NORTHEASTERLY
NF	- NEAR FACE
NGVD	- NATIONAL GEODETIC VERTICAL DATUM
NIC	- NOT IN CONTRACT
NTS	- NOT TO SCALE
NW	- NORTHWEST
NW'LY	- NORTHWESTERLY
N'LY	- NORTHERLY
OC	- ON CENTER
OD	- OUTSIDE DIAMETER (DIMENSION)
OF	- OUTSIDE FACE
OG	- ORIGINAL GROUND
OH	- OVERHEAD
OPNG	- OPENING
PB	- PULL BOX
PCC	- PORTLAND CEMENT CONCRETE; POINT OF COMPOUND CURVE
PED	- PEDESTRIAN
PI	- POINT OF INTERSECTION
POB	- POINT OF BEGINNING
POT	- POINT OF TANGENT
PP	- POWER POLE
PRC	- POINT OF REVERSE CURVE
PROP	- PROPOSED
PSI	- POUNDS PER SQUARE INCH
PT	- POINT
PVC	- POLYVINYL CHLORIDE (PIPE)
PVMT	- PAVEMENT
Q	- DESIGN DISCHARGE (m^3/s)
R	- RADIUS
RCB	- REINFORCED CONCRETE BOX
RCP	- REINFORCED CONCRETE PIPE
RD	- ROAD
REF	- REFERENCE (REFER)
REINF	- REINFORCEMENT (REINFORCING)
REQ'D	- REQUIRED
RP	- RADIUS POINT
RT	- RIGHT
RTE	- ROUTE
RTP	- ROCK TOE PROTECTION
RSP	- ROCK SLOPE PROTECTION
RR	- RAILROAD
R/W	- RIGHT OF WAY
RW	- RETAINING WALL
RWLOL	- RETAINING WALL LAYOUT LINE
S	- SOUTH, SLOPE
SCH	- SCHEDULE
SCRR	- SACK CONCRETE RIP-RAP
SCSP	- SACKED CONCRETE SLOPE PROTECTION
SCVWD	- SANTA CLARA VALLEY WATER DISTRICT
SD	- STORM DRAIN, STANDARD DETAIL
SE	- SOUTHEAST
SEC (")	- SECONDS
SECT	- SECTION
SE'LY	- SOUTHEASTERLY
SHT	- SHEET
SIM	- SIMILAR
SPEC	- SPECIFICATIONS
SQ FT	- SQUARE FEET
SS	- SANITARY SEWER
STA	- STATION
STD	- STANDARD
STL	- STEEL
STR	- STRUCTURE
SW	- SOUTHWEST
SW'LY	- SOUTHWESTERLY
S'LY	- SOUTHERLY
SY	- SYMMETRICAL
SYM	- SQUARE YARDS
TAN	- TANGENT
TEL	- TELEPHONE
TBD	- TO BE DETERMINED
TBM	- TEMPORARY BENCH MARK
TC	- TOP OF CURB
TCA	- TEMPORARY CONSTRUCTION AREA
TOB	- TOP OF BANK
TOC	- TOE OF CHANNEL
TOCC	- TOE OF CONCRETE CHANNEL
TOPCC	- TOP OF CONCRETE CHANNEL
TP	- TELEPHONE POLE, TURNING POINT
TP-1	- TEST PIT (NUMBER=DESIGNATION/LOCATION)
TRFC	- TRAFFIC
TS	- TRAFFIC SIGNAL
TV	- TELEVISION (CABLE OR FACILITY)
TW	- TOP OF WALL
TYP	- TYPICAL
T&B	- TOP AND BOTTOM
UB	- UTILITY BOX
UC	- UTILITY CONDUIT
UG	- UNDERGROUND
U/S	- UPSTREAM
USC&GS	- UNITED STATES COASTAL AND GEODETIC SURVEY
V	- VOLTS
VCP	- VITRIFIED CLAY PIPE
VERT	- VERTICAL
W	- WITH, WATER, WEST, WIDTH, (WIDE)
W/O	- WITHOUT
WD	- WOOD (WOODEN)
WS	- WATER SURFACE
WSP	- WATER SURFACE PROFILE
WT	- WEIGHT
WV	- WATER VALVE
WW	- WING WALL
WWF	- WELDED WIRE FABRIC
W'LY	- WESTERLY
X-SECT	- CROSS SECTION
Y	- YARDS
Z	- ZONE

METRIC UNITS (SI)

°c	- DEGREE CELSIUS
L	- LITER
mm	- MILLIMETER
m	- METER, METERS (LENGTH)
m^2	- SQUARE METER
m^3	- CUBIC METER
m/s	- METER PER SECOND
mpa	- MEGAPASCAL
s	- SECOND (TIME)

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

DATE	08/31/07
DESIGN	C. CHUNG
DRAWN	M. SUTO
CHECKED	T. NOAH

ENGINEERING CERTIFICATION

PROJECT ENGINEER — DATE

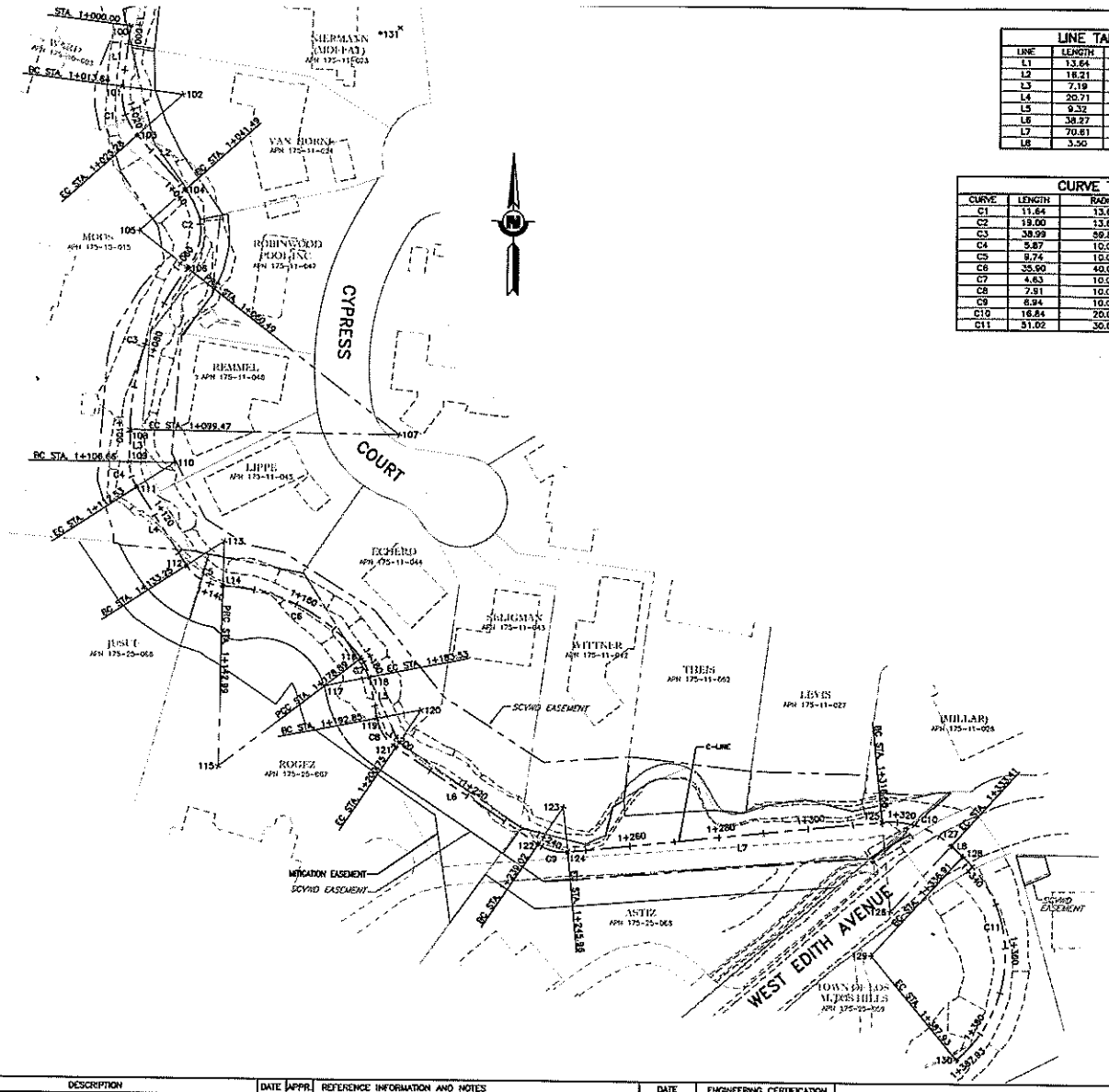
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

ABBREVIATIONS, LEGEND, & SYMBOLS

SCALE	NOT TO SCALE
PROJECT NUMBER	10104011
VERIFY SCALES	0 25 (BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY)
SHEET CODE:	G-3
PAGE NUMBER:	3 OF 37



LINE TABLE		
LINE	LENGTH	BEARING
L1	13.64	S06°54'24"W
L2	18.21	S41°58'22"E
L3	7.19	S00°39'54"W
L4	20.71	S33°02'02"E
L5	9.32	S10°51'20"E
L6	38.27	S56°09'05"E
L7	70.61	N84°05'54"E
L8	3.50	S47°40'13"E

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA ANGLE
C1	11.64	13.64	48°52'48"
C2	19.00	13.64	79°47'48"
C3	38.99	59.85	37°19'17"
C4	5.87	10.00	33°37'57"
C5	9.74	10.00	55°48'05"
C6	35.90	40.00	51°25.59"
C7	4.63	10.00	26°32'08"
C8	7.91	10.00	45°17'45"
C9	8.94	10.00	39°43'01"
C10	16.84	20.00	48°13'52"
C11	51.02	30.00	97°28'25"

POINT TABLE				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
100	N 599230.3740	E 1856051.2975	1+000.00	BEGIN PROJECT
101	N 599216.8328	E 1856048.6573	1+013.64	BC
102	N 599215.1937	E 1856063.1683	N/A	RP
103	N 599206.0706	E 1856053.0575	1+055.28	EC
104	N 599194.0154	E 1856063.9017	1+041.49	BC
105	N 599184.8973	E 1856053.7655	N/A	RP
106	N 599178.5287	E 1856064.3351	1+060.49	PRC
107	N 599139.7357	E 1856111.8457	N/A	RP
108	N 599140.3613	E 1856051.8324	1+099.47	EC
109	N 599133.1717	E 1856051.8573	1+106.66	BC
110	N 599133.0672	E 1856061.8367	N/A	RP
111	N 599127.8156	E 1856053.4733	1+112.53	EC
112	N 599110.2697	E 1856064.7856	1+133.25	BC
113	N 599115.7010	E 1856073.1491	N/A	RP
114	N 599105.7031	E 1856072.9458	1+142.99	PRC
115	N 599065.7114	E 1856072.1329	N/A	RP
116	N 599090.0108	E 1856103.9061	1+178.89	PCC
117	N 599083.9360	E 1856095.5628	N/A	RP
118	N 599085.8183	E 1856105.7838	1+183.53	EC
119	N 599075.6631	E 1856107.5396	1+192.85	BC
120	N 599078.5484	E 1856117.3607	N/A	RP
121	N 599070.2413	E 1856111.7907	1+200.75	EC
122	N 599048.9249	E 1856143.5743	1+239.02	BC
123	N 599057.2300	E 1856149.1443	N/A	RP
124	N 599047.2830	E 1856150.1725	1+245.98	EC
125	N 599054.5435	E 1856220.4120	1+316.58	BC
126	N 599034.8495	E 1856222.4684	N/A	RP
127	N 599049.4351	E 1856235.9363	1+333.41	EC
128	N 599047.0791	E 1856238.5228	1+336.91	BC
129	N 599024.9006	E 1856218.3210	N/A	RP
130	N 599001.9970	E 1856237.6968	1+367.93	EC/END PROJECT
*131	N 599230.3781	E 1856111.3619	FOUND NAIL & SHINER	
*133	N 599006.2903	E 1856193.7969	FOUND GRANITE MON.	
**134	N 599228.1588	E 1856654.5304	VERT. CNTRL (BM) 288, ELEVATION=58.7660, BRASS DISK ON TOP OF CURB AT SOUTHWEST CORNER OF LOS ALTOS AVE. AND EDITH AVE.	

* HORIZONTAL CONTROL POINTS SHOWN FOR REFERENCE ONLY. SPATIAL LOCATION OR REFERENCE NOT ACCURATELY DEPICTED.

** VERTICAL CONTROL (BM) COORDINATE VALUES ARE NOT TO BE USED FOR SURVEY OR DESIGN WORK. THEY ARE MERELY PROVIDED FOR APPROXIMATE LOCATION ONLY.

**134

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

DATE	ENGINEERING CERTIFICATION
08/31/07	
DESIGN	
C. CHUNG	
DRAWN	
M. SUTO	
CHECKED	
T. NOAH	
PROJECT ENGINEER	DATE

Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

SURVEY LAYOUT

SCALE	PROJECT NUMBER
1:500	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: G-4
	PAGE NUMBER: 4 OF 37

DOCUMENT NUMBER: AUS_LP-G-1010-000000

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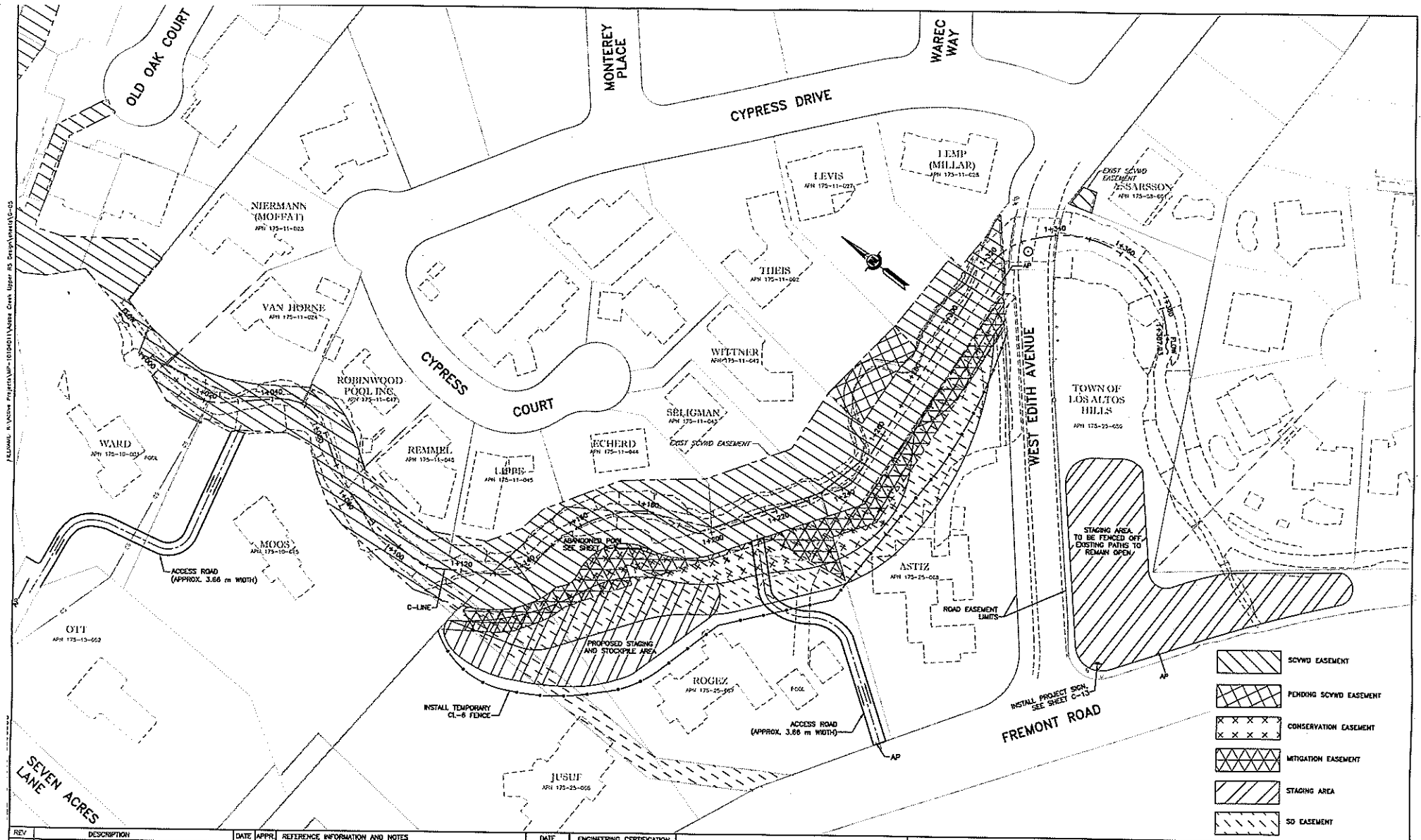

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. ALL TREES WITHIN THE STAGING AREA SHALL BE PROTECTED WITH PRESERVATION FENCING.
2. ACCESS ROAD AND STAGING AREA TO BE STAKED-OUT IN THE FIELD BY ENGINEER.

DATE	ENGINEERING CERTIFICATION
08/31/07	
DESIGN C. CHUNG	
DRAWN M. SUTO	
CHECKED T. NOAH	
	PROJECT ENGINEER DATE

Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

RIGHT OF WAY, STAGING AREA AND SITE ACCESS

SCALE	PROJECT NUMBER
1:500	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: G-5
	PAGE NUMBER: 5 OF 37

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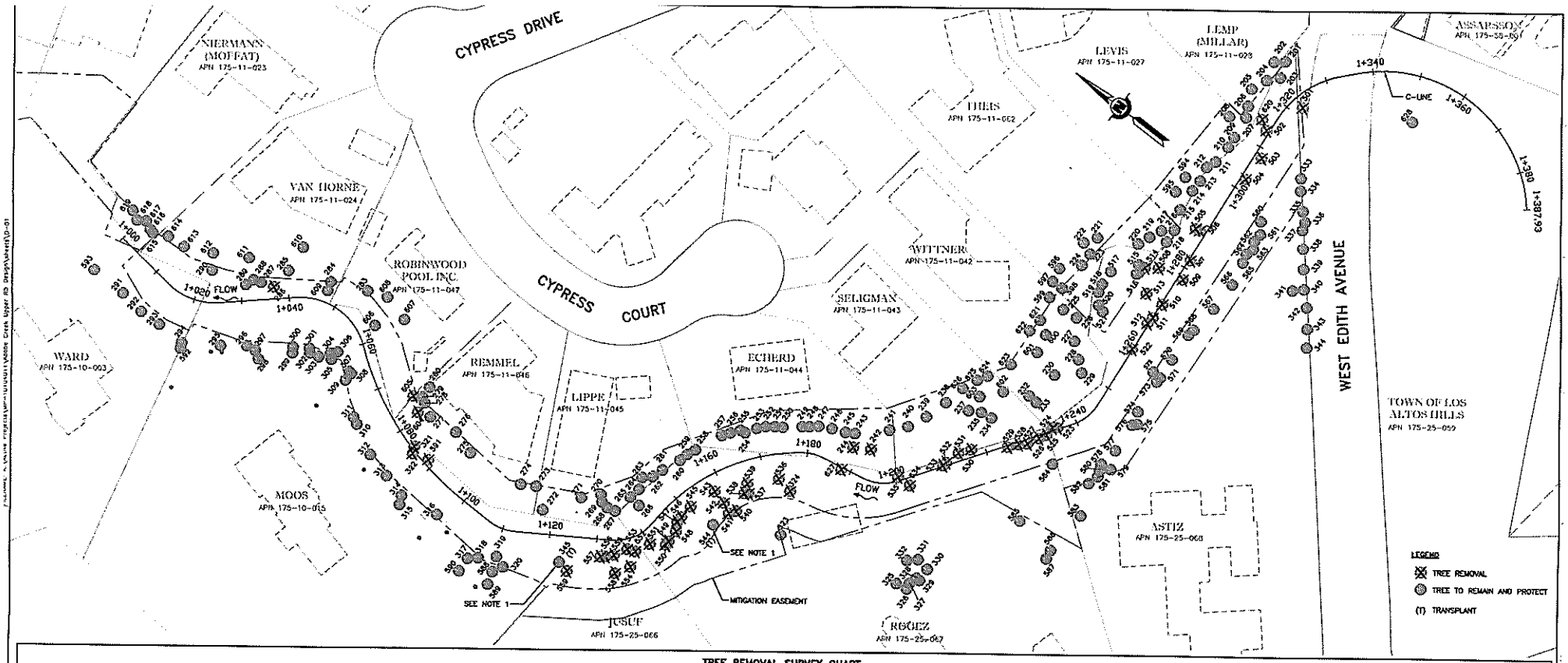


TREE REMOVAL SURVEY CHART

TREE NO.	SURVEY POINT NUMBERS	OFFSET FROM C-LINE (m)	DIAMETER AT BREAST HEIGHT (m)	DESCRIPTION
242	6213	8.108	0.229	COAST REDWOOD
244	6214	4.818	0.279	COAST REDWOOD
286	6305	2.536	0.178	ELDERBERRY
321	6383	0.573	0.178	LOMBARDY POPLAR
322	6382	0.813	0.152	LOMBARDY POPLAR
324	6239	8.047	0.107	COAST REDWOOD
345*	6278	5.521	0.914	CANARY ISLAND DATE PALM (TRANSPLANT)
501	6073	2.525	0.185	NORTHERN CALIFORNIA BLACK WALNUT
502	6074	0.823	0.121	BLUE GUM
503	6087	1.561	0.345	BLACKWOOD ACACIA
504	6088	1.073	0.417	BLACKWOOD ACACIA
505	6086	2.239	0.541	COAST REDWOOD
506	6086*	1.265	0.893	COAST REDWOOD
507	6093	0.353	0.282	BLACKWOOD ACACIA
508	6102	4.410	0.112	BLUE GUM
509	6096	1.130	0.264	ORIENTAL ARBORVITAE
510	6097	0.300	0.287	ORIENTAL ARBORVITAE
511	6109	0.046	0.231	BLACKWOOD ACACIA

TREE NO.	SURVEY POINT NUMBERS	OFFSET FROM C-LINE (m)	DIAMETER AT BREAST HEIGHT (m)	DESCRIPTION
512	6110	0.270	0.279	ORIENTAL ARBORVITAE
513	6108	3.761	0.284	BLACKWOOD ACACIA
514	6103	6.919	0.884	BLUE GUM
522	6124	0.138	0.170	CLACKWOOD ACACIA
523	6178	0.261	0.116	BLUE GUM
524	6179	0.609	0.688	BLUE GUM
525	6198	0.478	0.904	BLUE GUM
526	6197	0.863	0.411	BLUE GUM
527	6196	0.962	0.907	BLUE GUM
528	6195	0.560	0.706	BLUE GUM
529	6180	0.331	0.358	BLUE GUM
530	6192	1.490	0.541	BLUE GUM
531	6191	1.653	0.340	BLUE GUM
532	6190	0.535	0.747	BLUE GUM
533	6189	0.166	0.394	BLUE GUM
534	6184	1.852	0.101	BLUE GUM
535	6183	0.795	0.348	NORTHERN CALIFORNIA BLACK WALNUT
536	6240	5.276	0.427	CALIFORNIA BAY

TREE NO.	SURVEY POINT NUMBERS	OFFSET FROM C-LINE (m)	DIAMETER AT BREAST HEIGHT (m)	DESCRIPTION
537	6242	8.778	0.175	CALIFORNIA BUCKEYE
538	6243	6.496	0.188	COAST LIVE OAK
539	--	4.801	0.516	CALIFORNIA BAY
540	6247	9.223	0.498	GLOSSY PRIVET
541	6244	8.983	0.218	GLOSSY PRIVET
542	6245	8.513	0.378	BLUE GUM
543	6246	3.493	0.234	COAST LIVE OAK
544*	6248	9.135	0.808	CANARY ISLAND DATE PALM (TRANSPLANT)
545	6250	3.269	0.704	BLUE GUM
546	6251	3.595	0.569	BLUE GUM
547	6252	3.759	0.287	RED IRONBARK
548	6253	4.898	0.206	GLOSSY PRIVET
549	6254	5.063	0.257	RED IRONBARK
550	6255	5.178	0.368	ELDERBERRY
551	6257	2.931	0.373	BLUE GUM
552	6259	2.984	0.810	BLUE GUM
553	6283	2.097	0.257	GLOSSY PRIVET
554	6284	5.846	0.277	COAST LIVE OAK

TREE NO.	SURVEY POINT NUMBERS	OFFSET FROM C-LINE (m)	DIAMETER AT BREAST HEIGHT (m)	DESCRIPTION
555	6281	3.067	0.188	GLOSSY PRIVET
556	6280	3.483	0.391	GLOSSY PRIVET
557	6279	3.662	0.269	GLOSSY PRIVET
558	6285	8.882	0.287	COAST LIVE OAK
559	6277	7.226	0.141	BLUE GUM
591	--	1.078	0.188	LOMBARDY POPLAR
604	--	5.187	0.231	CALIFORNIA BUCKEYE
605	6286	8.090	0.470	NORTHERN CALIFORNIA BLAK WALNUT
620	--	2.624	0.175	BLUE GUM
627	--	0.462	0.533	ELDERBERRY

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 06-06-07		

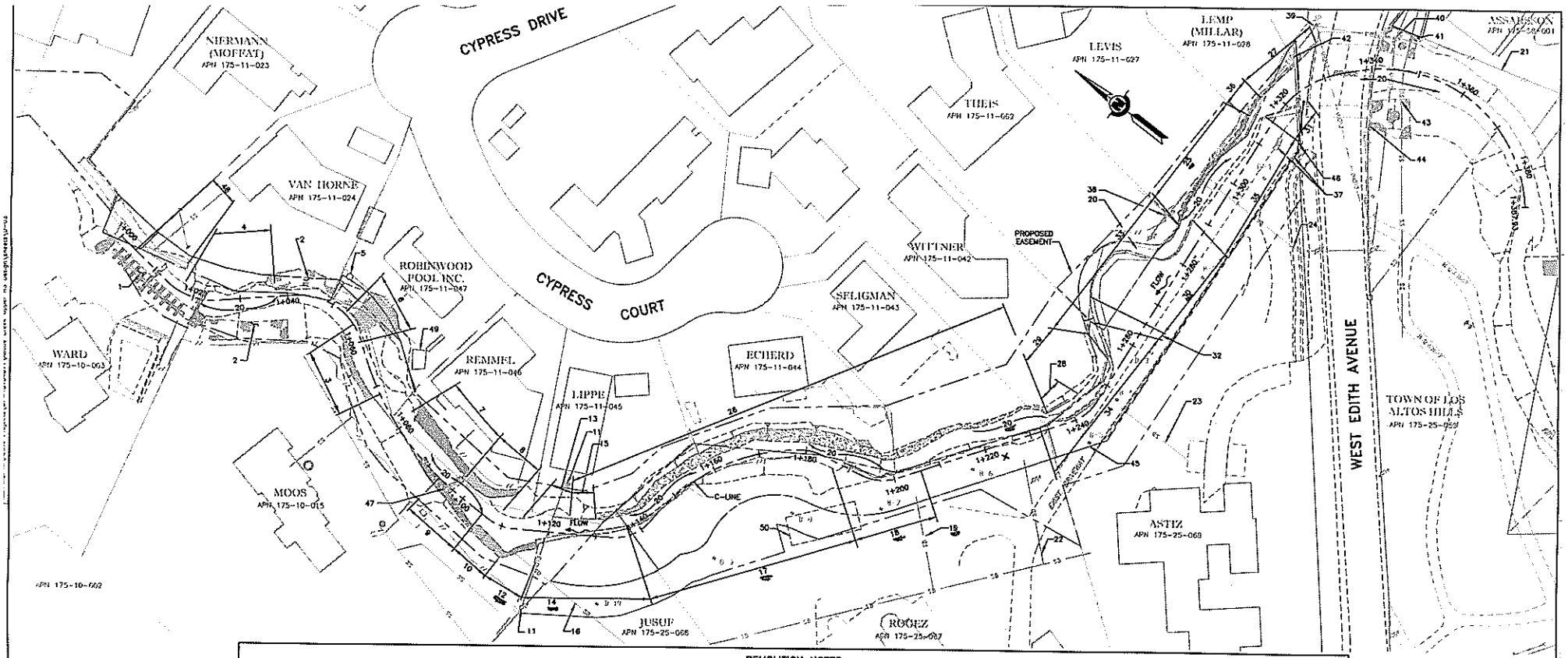
REFERENCE INFORMATION AND NOTES
1. * TREES TO BE TRANSPLANTED. SEE SHEET P-2 FOR LOCATION.

DATE	ENGINEERING CERTIFICATION
08/31/07	
DESIGN	
C. CHUNG	
DRAWN	
M. SUTO	
CHECKED	
T. NOAH	PROJECT ENGINEER DATE

Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT
DEMOLITION PLAN
TREE REMOVAL

SCALE	PROJECT NUMBER
1:400	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: D-1
	PAGE NUMBER: 6 OF 37



DEMOLITION NOTES

1. EXISTING CRIB WALL TO REMAIN
2. EXISTING SACKED CONCRETE TO REMAIN
3. EXISTING SACKED CONCRETE TO REMAIN
4. EXISTING SACKED CONCRETE TO REMAIN
5. EXISTING SEPTIC TANK TO REMAIN
6. EXISTING SACKED CONCRETE SLOPE PROTECTION TO REMAIN
7. EXISTING GUNITE BANK TO REMAIN
8. EXISTING SACKED CONCRETE TO REMAIN
9. EXISTING ROCK SLOPE PROTECTION TO REMAIN
10. EXISTING SACKED CONCRETE TO REMAIN
11. POWER POLE TO REMAIN PROTECT IN PLACE
12. REMOVE 8 m± SACKED CONCRETE & A PORTION OF EXIST STORM DRAIN
13. REMOVE 5 m± CHAIN LINK FENCE
14. REMOVE 14 m± WOOD WALL & CONCRETE WALL
15. WOOD WALL TO REMAIN.
16. 1.5 m STORM DRAIN TO REMAIN EXCEPT FOR FIRST 3 m FROM OUTFALL.
17. REMOVE 40 m± WOOD WALL
18. REMOVE 14 m± WOOD WALL
19. REMOVE STORM DRAIN LATERAL TO SCVWD EASEMENT
20. CLEAR AND GRUB ENTIRE CHANNEL BOTTOM, THIS INCLUDES REMOVAL OF ALL CONCRETE DEBRIS, EXCEPT THOSE NOTED TO REMAIN. REMOVE ONLY TREES AS NOTED ON SHEET D-1.
21. FENCE TO REMAIN
22. REMOVE 450 mm STORM DRAINS TO SCVWD EASEMENT, SEE SHEET C2 & C3
23. REMOVE 450 mm STORM DRAIN TO SCVWD EASEMENT, SEE SHEET C2 & C3
24. REMOVE 450 mm STORM DRAIN TO SCVWD EASEMENT, SEE SHEET C2 & C3
25. EXISTING BANK TO REMAIN
26. GUNITE BANK TO REMAIN
27. CONCRETE WALL TO REMAIN
28. EXISTING CONCRETE WALL TO REMAIN
29. EXISTING BANK TO REMAIN
30. REMOVE 38 m± CONCRETE WALL
31. REMOVE 10 m± CONCRETE WALL AND 18 m± CHAIN LINK FENCE
32. REMOVE 6 m± SACKED CONCRETE
33. REMOVE 38 m± BRICK WALL TO 1 m BELOW FINISHED GRADE
34. REMOVE 24 m± WOOD WALL
35. REMOVE 28 m± WOOD WALL
36. REMOVE 4 m± WOOD WALL
37. REMOVE BRICK PILASTERS
38. POWER POLE TO REMAIN, PROTECT IN PLACE
39. JOINT POLE TO REMAIN, PROTECT IN PLACE
40. POWER POLE TO REMAIN, PROTECT IN PLACE
41. SANITARY SEWER MANHOLE TO REMAIN
42. STORM DRAIN TO REMAIN
43. EXISTING SEWER WITH CONCRETE CAP TO REMAIN
44. EXISTING TELEPHONE WITH CONCRETE CAP TO REMAIN
45. ABANDON MONITORING WELL B-5
46. REMOVE AC DRIVEWAY
47. EXISTING CONCRETE WEIR TO REMAIN
48. REMOVE WOOD WALL, 10 m±
49. EXISTING PUMP HOUSE TO REMAIN
50. REMOVE ABANDONED POOL

RSV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	PRELIMINARY 08-28-07			

DATE	ENGINEERING CERTIFICATION
08/31/07	
DESIGN	
C. CHUNG	
DRAWN	
M. SUTO	
CHECKED	
T. NOAH	PROJECT ENGINEER DATE

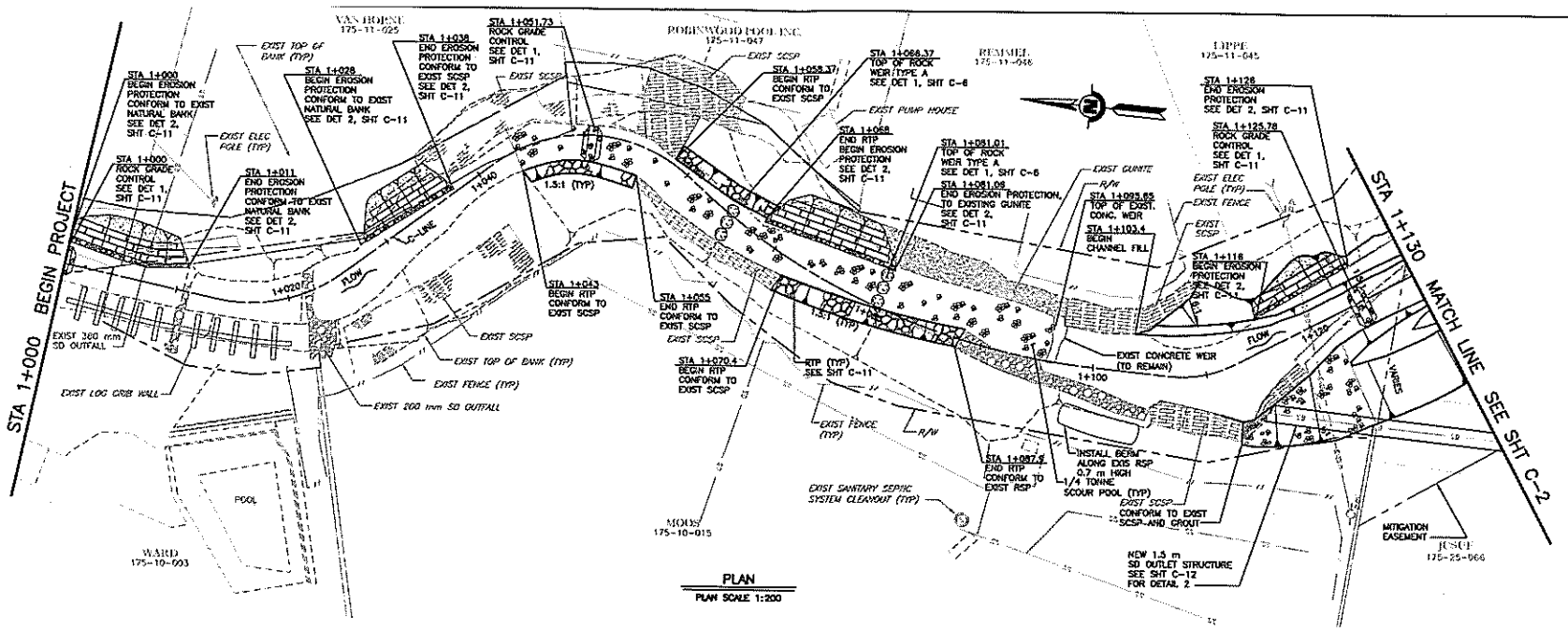
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

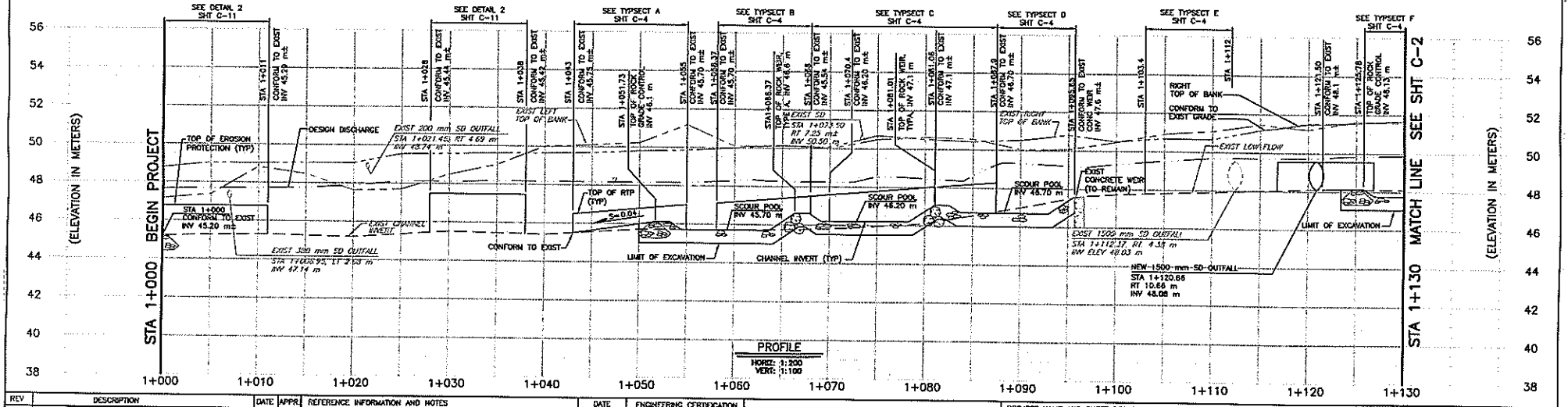
DEMOLITION PLAN MISCELLANEOUS MATERIAL REMOVAL

SCALE	PROJECT NUMBER
1:400	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: D-2
	PAGE NUMBER: 7 OF 37



PLAN

PLAN SCALE 1:200



PROFILE

HORIZ: 1:200
VERT: 1:100

REV	DESCRIPTION	DATE	APPR
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. FOR ROCK WEIR TYPE A DETAILS, SEE SHEET C-6.

DATE	ENGINEERING CERTIFICATION
08/31/07	
DESIGN C. CHUNG	
DRAWN M. SUTO	
CHECKED T. NOAH	
	PROJECT ENGINEER DATE

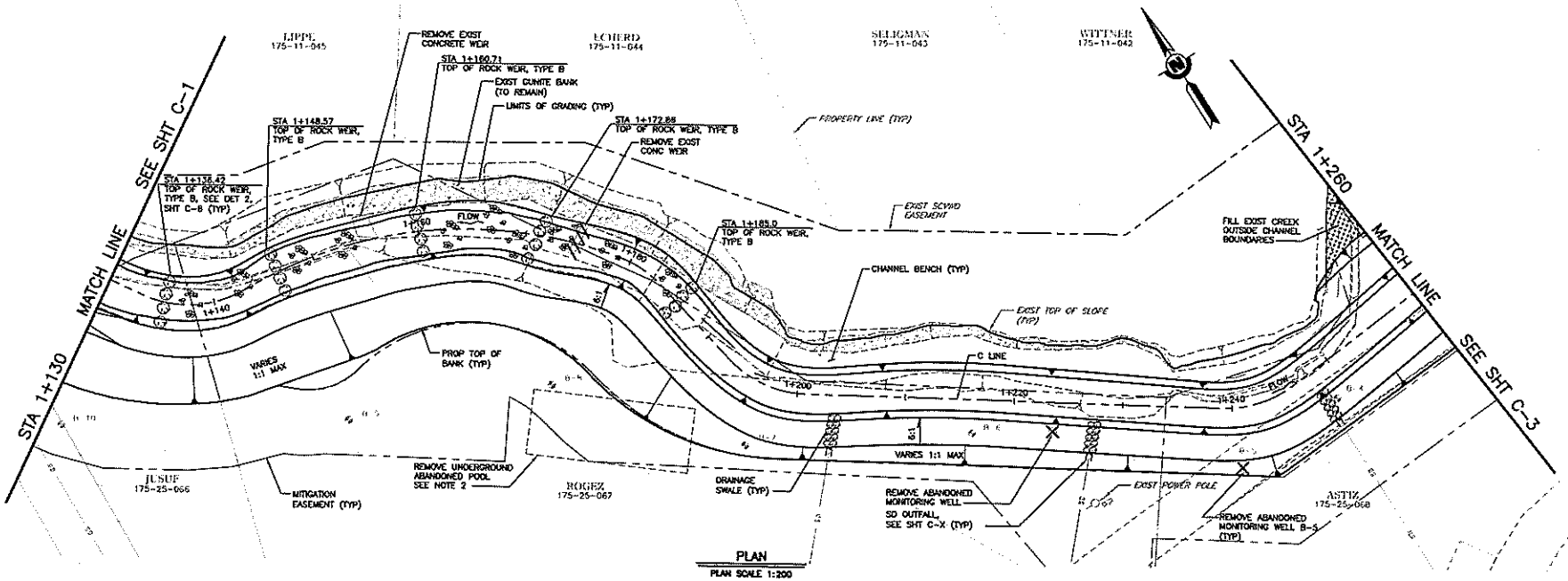
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

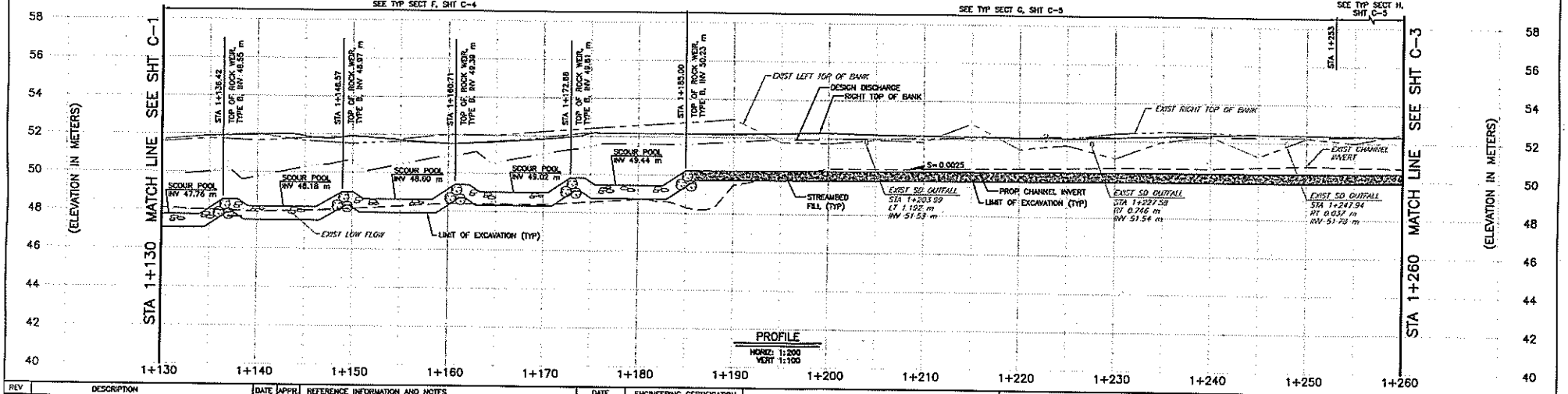
PLAN AND PROFILE
STA 1+000 TO STA 1+130

SCALE	PROJECT NUMBER
AS SHOWN	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: C-1
	PAGE NUMBER: 8 OF 37



PLAN

PLAN SCALE 1:200



PROFILE

HORIZ: 1:200
VERT 1:100

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. FOR ROCK WEIR TYPE B DETAILS, SEE DETAIL 2, SHEET C-6.

DATE	08/31/07
DESIGN	C. CHUNG
DRAWN	M. SUTO
CHECKED	T. NDAH

ENGINEERING CERTIFICATION

PROJECT ENGINEER DATE

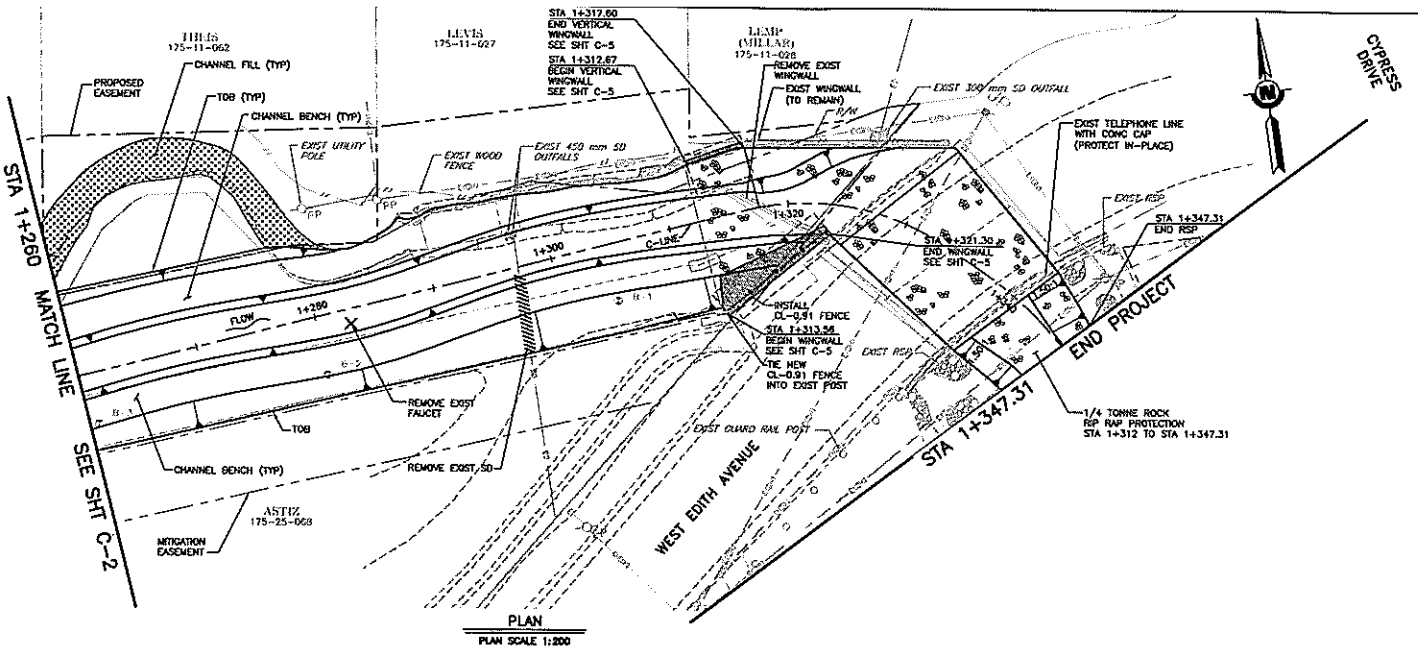
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

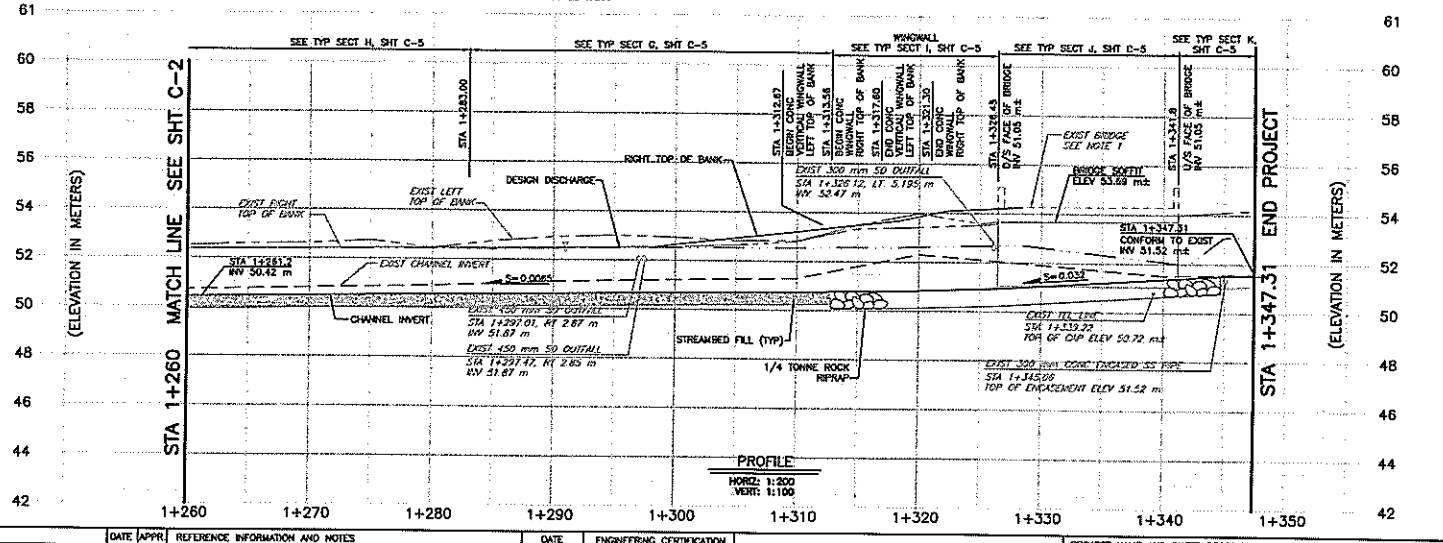
PLAN AND PROFILE
STA 1+130 TO STA 1+260

SCALE	AS SHOWN
VERIFY SCALES	0 25
BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	
PROJECT NUMBER	10104011
SHEET CODE:	C-2
PAGE NUMBER:	9 OF 37



PLAN

PLAN SCALE 1:200



PROFILE

HORIZ: 1:200
VERT: 1:100

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. LOCATION AND ELEVATION OF BRIDGE STRUCTURES ARE APPROXIMATE AND FOR REFERENCE ONLY.

DATE	ENGINEERING CERTIFICATION
08/31/07	
DESIGN	
C. CHUNG	
DRAWN	
M. SUTO	
CHECKED	
T. NOAH	
PROJECT ENGINEER DATE	

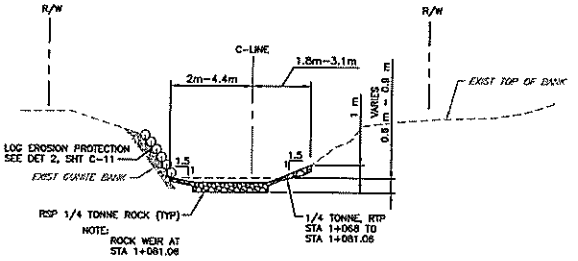
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

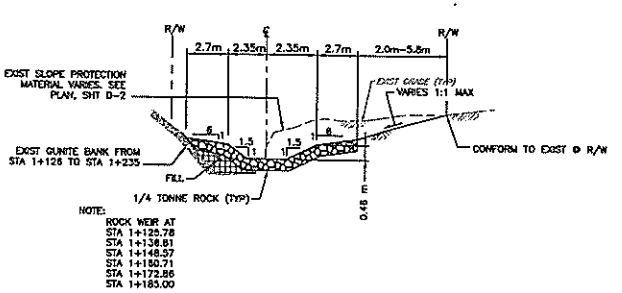
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

PLAN AND PROFILE
STA 1+260 TO STA 1+347.31

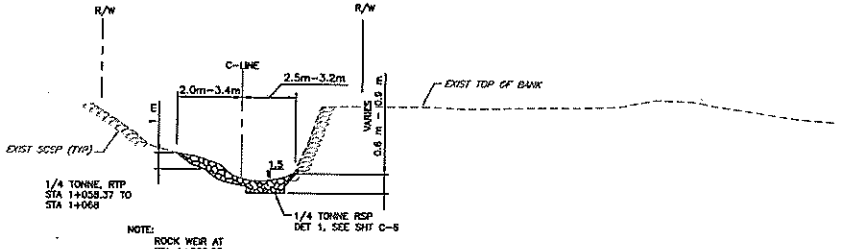
SCALE	PROJECT NUMBER
AS SHOWN	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING. IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: C-3
	PAGE NUMBER: 10 OF 37



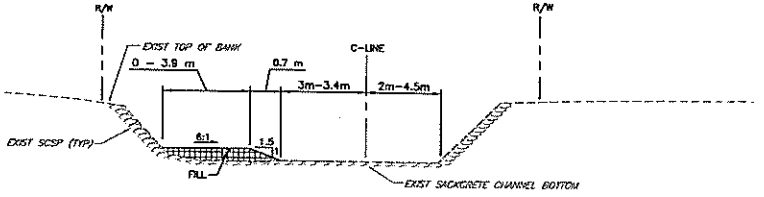
TYPICAL SECTION C / C-1 STA. 1+068 TO STA. 1+087.90
NTS



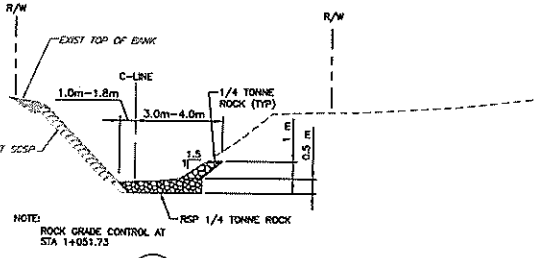
TYPICAL SECTION F / C-2 STA. 1+125.78 TO STA. 1+185
NTS



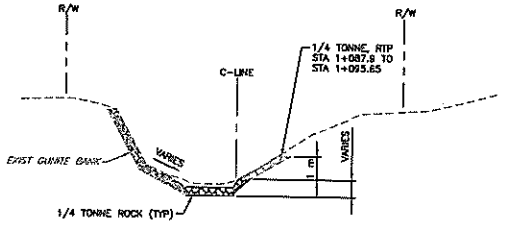
TYPICAL SECTION B / C-1 STA. 1+058.37 TO STA. 1+068
NTS



TYPICAL SECTION E / C-1 STA. 1+103 TO STA. 1+112
NTS



TYPICAL SECTION A / C-1 STA. 1+043 TO STA. 1+055
NTS



TYPICAL SECTION D / C-1 STA. 1+087.9 TO STA. 1+095.65
NTS

ALL SECTIONS LOOKING UPSTREAM

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES

DATE	ENGINEERING CERTIFICATION
06-06-07	
DESIGN	
C. CHUNG	
DRAWN	
M. SUTO	
CHECKED	
T. NOAH	
PROJECT ENGINEER	DATE

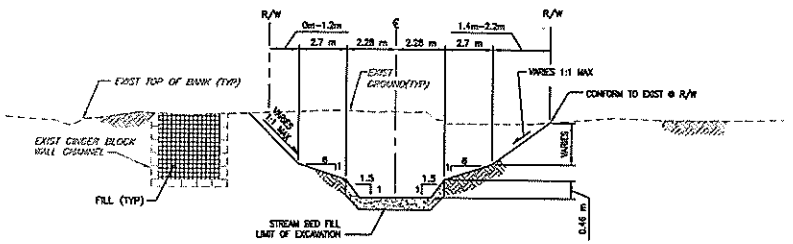
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

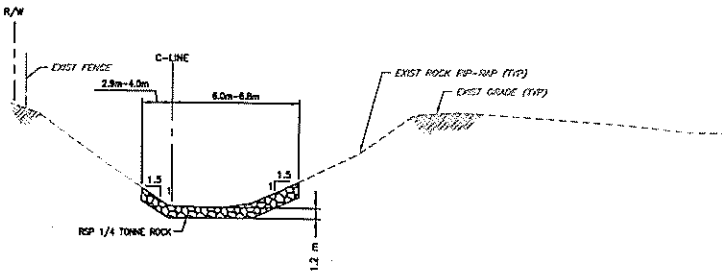
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

TYPICAL CHANNEL SECTIONS

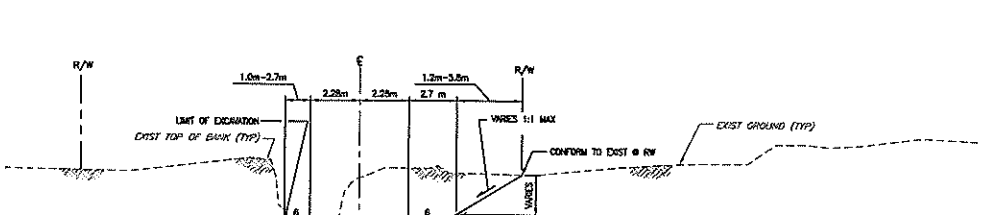
SCALE	PROJECT NUMBER
NOT TO SCALE	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: C-4
	PAGE NUMBER: 11 OF 37



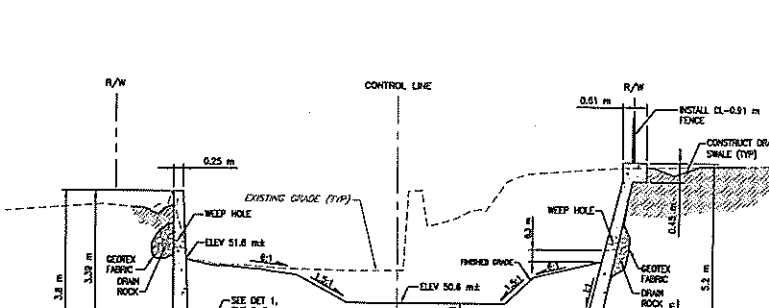
TYPICAL SECTION H / C-2 / C-3 STA 1+253 TO STA 1+283
NTS

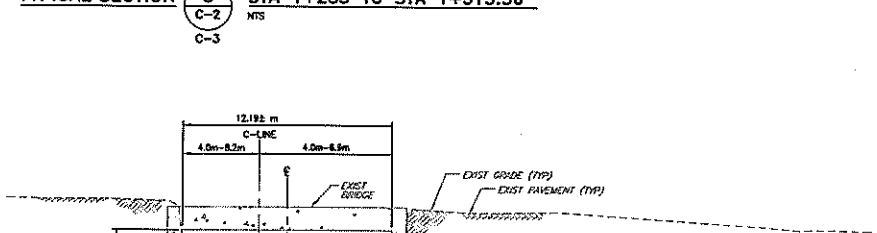


TYPICAL SECTION K / C-3 STA 1+341.8 TO STA 1+347.31
NTS



TYPICAL SECTION G / C-2 / C-3 STA 1+185 TO STA 1+253
STA 1+283 TO STA 1+313.56
NTS





NOTE: PAC BELL CONDUIT & SS CONCRETE ENCASEMENT NOT SHOWN

TYPICAL SECTION J / C-3 STA 1+326.45 TO STA 1+341.8
NTS

TYPICAL SECTION I / C-3 STA 1+313.56 TO STA 1+326.45
NTS

ALL SECTIONS LOOKING UPSTREAM

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	PRELIMINARY 08-28-07			

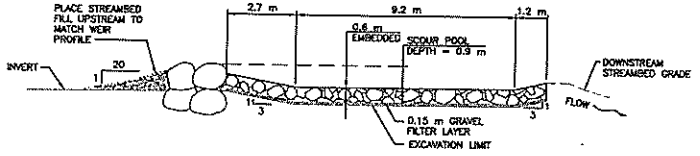
DATE 08/31/07
DESIGN C. CHUNG
DRAWN M. SUTO
CHECKED T. NOAH
ENGINEERING CERTIFICATION
PROJECT ENGINEER DATE

Santa Clara Valley Water District

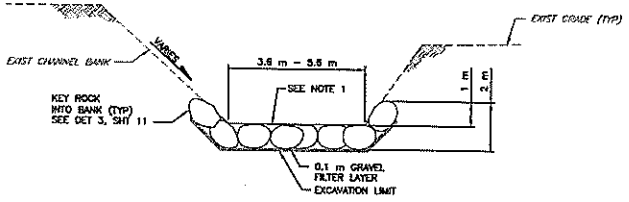
PROJECT NAME AND SHEET DESCRIPTION:
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT
TYPICAL CHANNEL SECTIONS

SCALE NOT TO SCALE
VERIFY SCALES 0 25
BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY

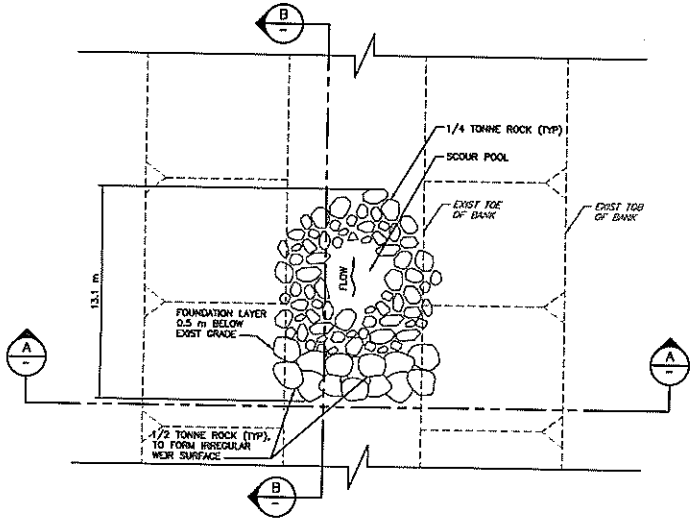
DOCUMENT NUMBER: ADB_LP-C-1010-0000000



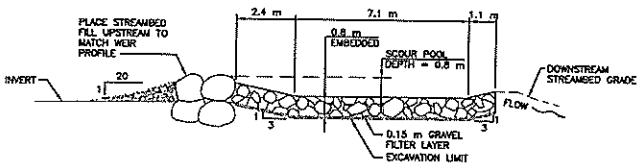
SECTION B – ROCK WEIR TYPE A
NTS



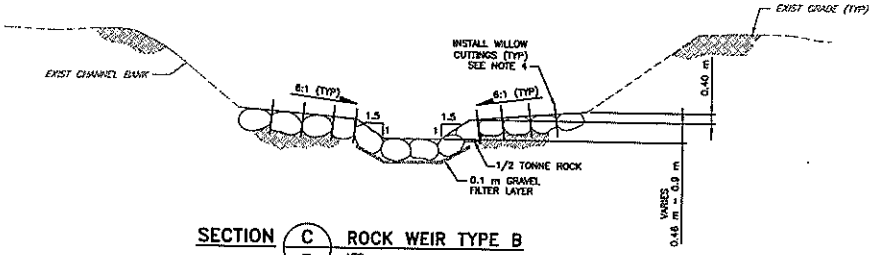
SECTION A – ROCK WEIR TYPE A
NTS



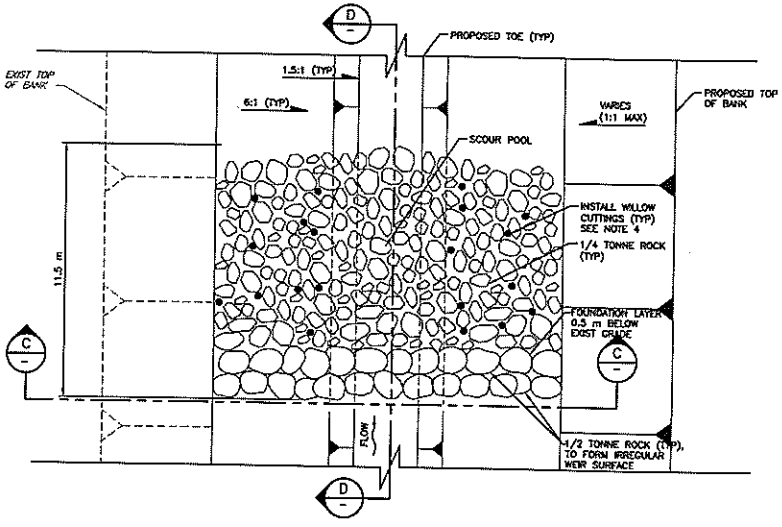
DETAIL 1 (C-1) – ROCK WEIR TYPE A – PLAN
NTS



SECTION D – ROCK WEIR TYPE B
NTS



SECTION C – ROCK WEIR TYPE B
NTS



DETAIL 2 (C-2) – ROCK WEIR TYPE B – PLAN
NTS

DESCRIPTION	DATE	APPR.
PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. BOULDER QUANTITIES SHOWN ARE AVERAGE NUMBER PER STRUCTURE. QUANTITIES AND DIMENSIONS WILL VARY DEPENDING ON WIDTH OF EXISTING CHANNEL.
2. BACKFILL SHALL BE INSITU MATERIAL OR APPROVED BY ENGINEER.
3. EXISTING SLOPE MAY REQUIRE SITE SPECIFIC DESIGN TREATMENT TO STABILIZE BACKFILL.
4. REFER TO LANDSCAPE PLAN, SHT L-1, FOR LOCATION, SPECIES, AND QUANTITIES.

DATE	ENGINEERING CERTIFICATION
06-06-07	
DESIGN C. CHUNG	
DRAWN M. SUTO	
CHECKED T. NDAH	
PROJECT ENGINEER DATE	

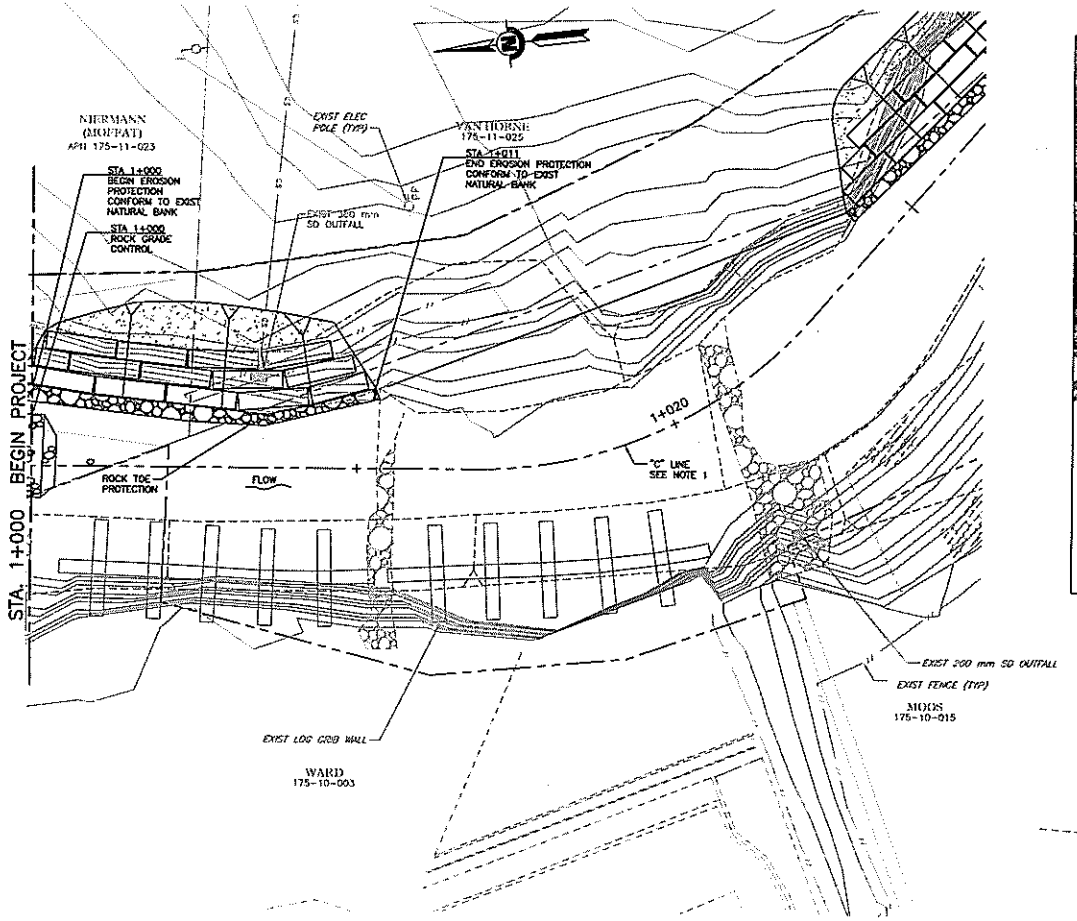
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

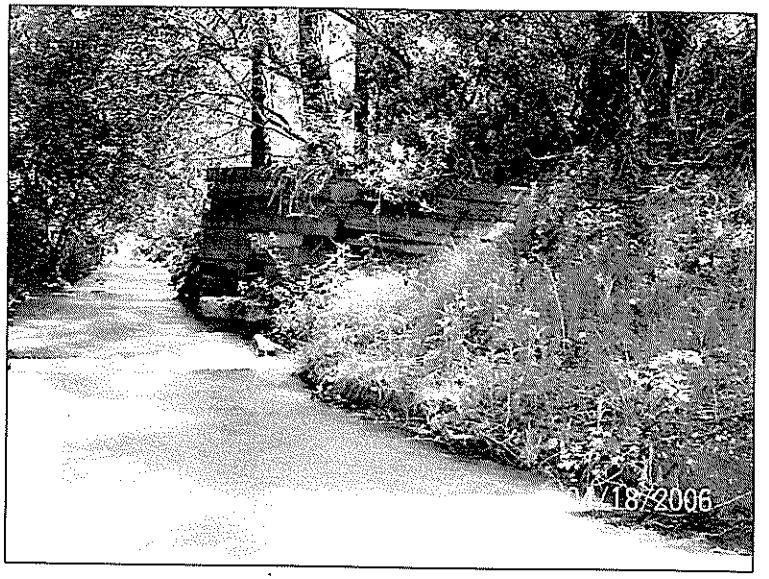
ROCK WEIR DETAILS

SCALE	PROJECT NUMBER
NOT TO SCALE	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: C-6
	PAGE NUMBER: 13 OF 37



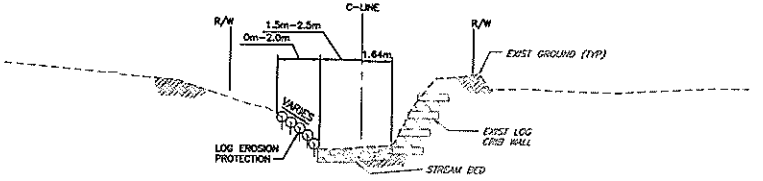
PLAN

PLAN SCALE 1:75



EROSION SITE AT STA 1+000 TO STA 1+011

LOOKING D/S



DETAIL 1/- EROSION SITE

STA 1+000 TO STA 1+011

NTS

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. SEE SHEET C-4 FOR SURVEY CONTROL INFORMATION.

DATE	08/31/07
DESIGN	C. CHUNG
DRAWN	L.P./M.S.
CHECKED	T. NUAH
PROJECT ENGINEER	MM-DD-YY

ENGINEERING CERTIFICATION

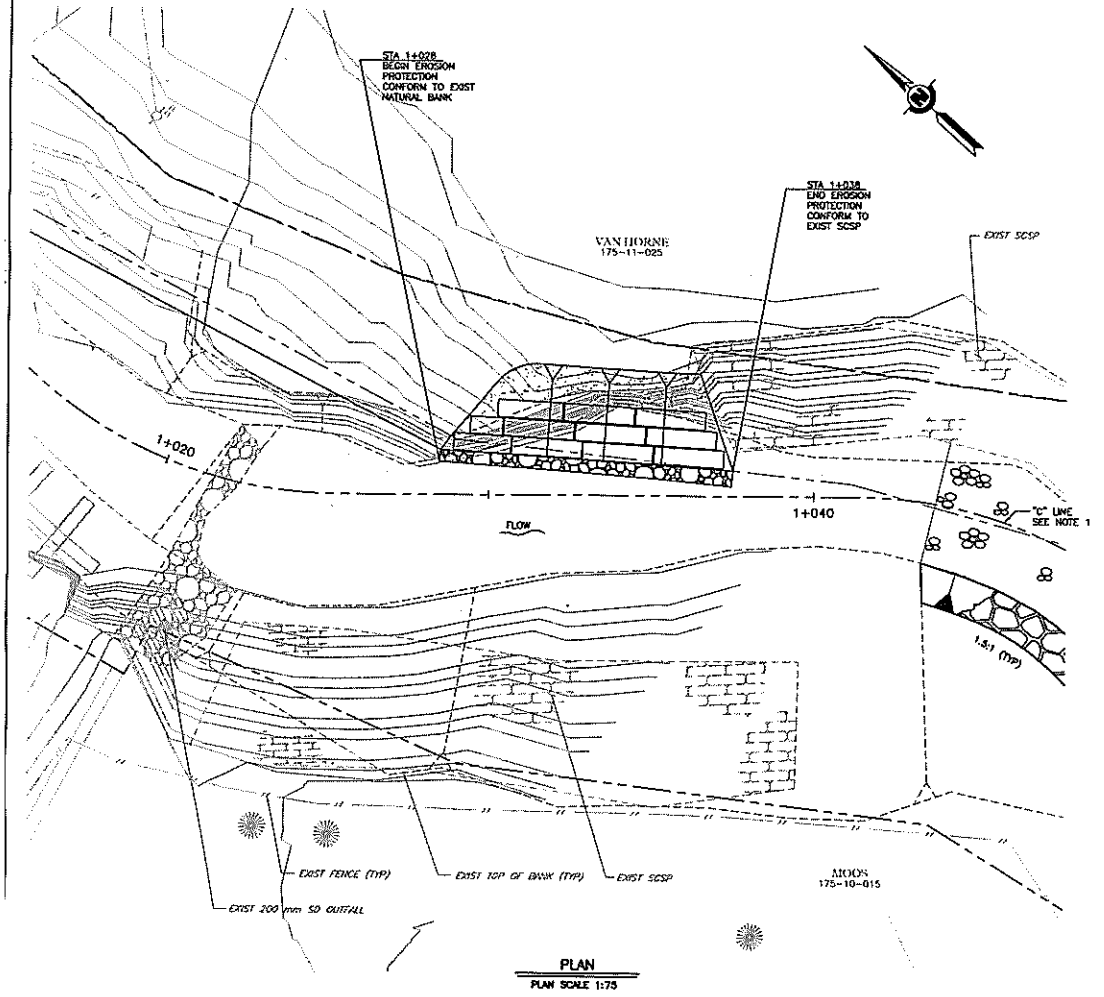
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

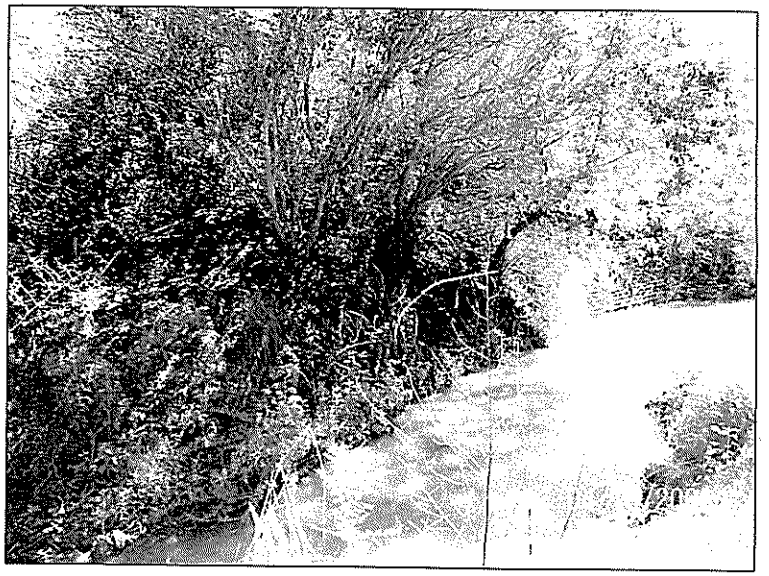
EROSION REPAIR SITE
STA 1+000 TO STA 1+011

SCALE	AS SHOWN
VERIFY SCALES	0 25
	BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY
PROJECT NUMBER	10104011
SHEET CODE:	C-7
PAGE NUMBER:	14 OF 37



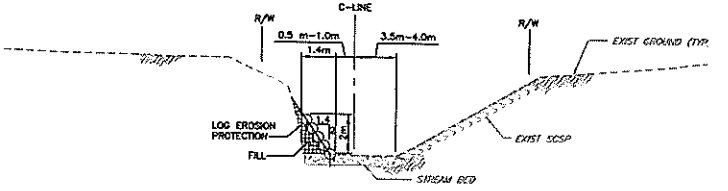
PLAN

PLAN SCALE 1:75



EROSION SITE AT STA 1+028 TO STA 1+038

LOOKING U/S



DETAIL 1/- EROSION SITE

STA 1+028 TO STA 1+038

NTS

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. SEE SHEET G-4 FOR SURVEY CONTROL INFORMATION.

DATE	08/31/07
DESIGN	C. CHUNG
DRAWN	L.P./M.S.
CHECKED	T. NOAH
PROJECT ENGINEER	MM-DD-YY

ENGINEERING CERTIFICATION

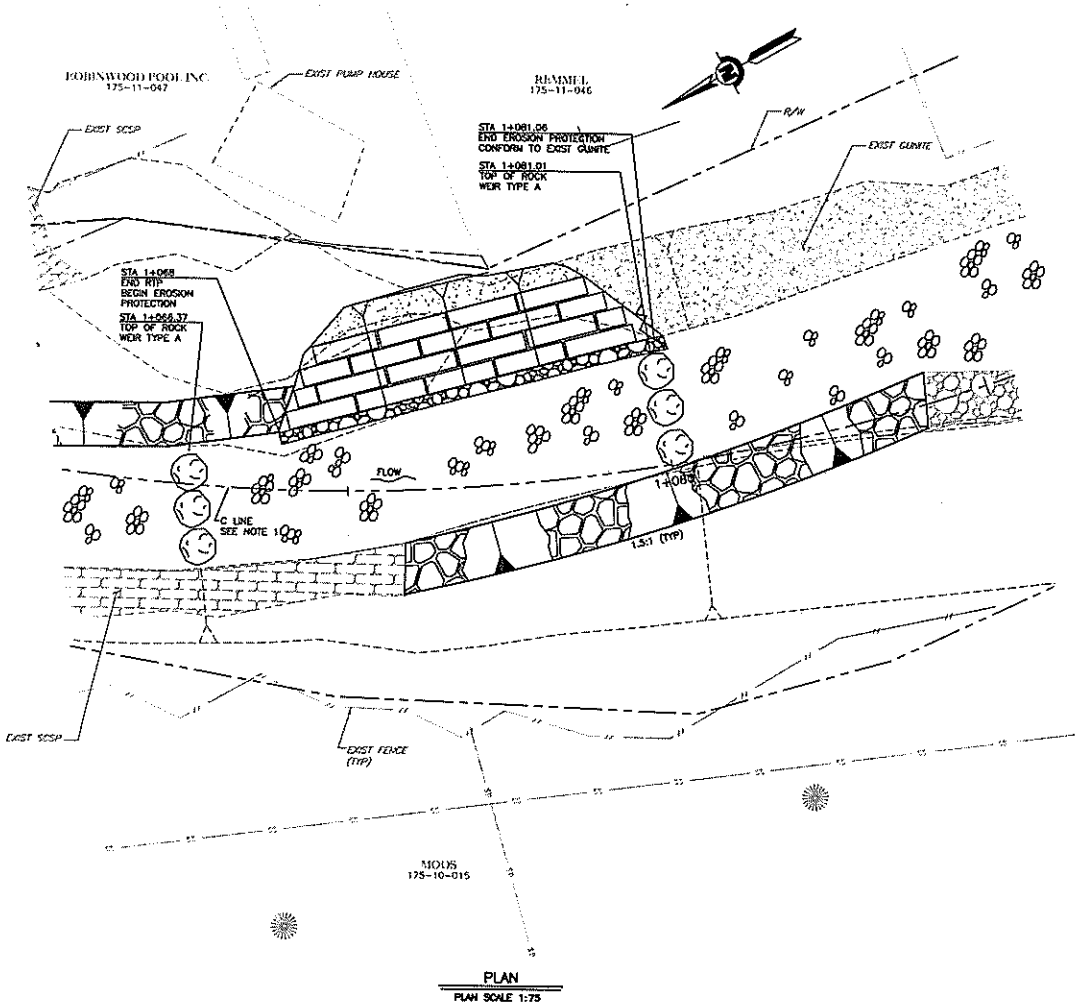
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

EROSION REPAIR SITE STA 1+028 TO STA 1+038

SCALE	AS SHOWN
VERIFY SCALES	0 25
BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	
PROJECT NUMBER	10104011
SHEET CODE:	C-8
PAGE NUMBER:	15 OF 37



PLAN

PLAN SCALE 1:75

EROSION SITE AT STA 1+068 TO STA 1+081.06

LOOKING U/S

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. SEE SHEET G-4 FOR SURVEY CONTROL INFORMATION.

DATE	08/31/07
DESIGN	C. CHUNG
DRAWN	L.P./M.S.
CHECKED	T. NOAH

ENGINEERING CERTIFICATION

PROJECT ENGINEER MM-DD-YY

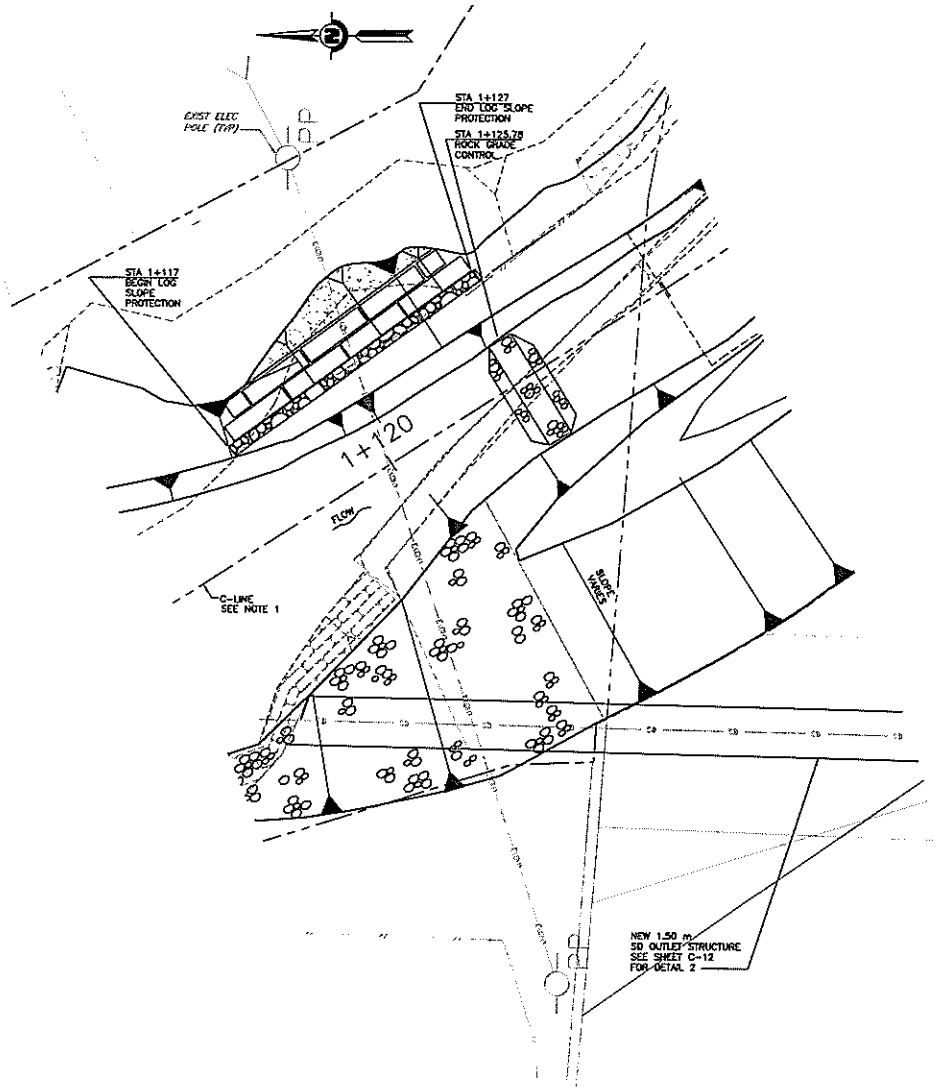
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

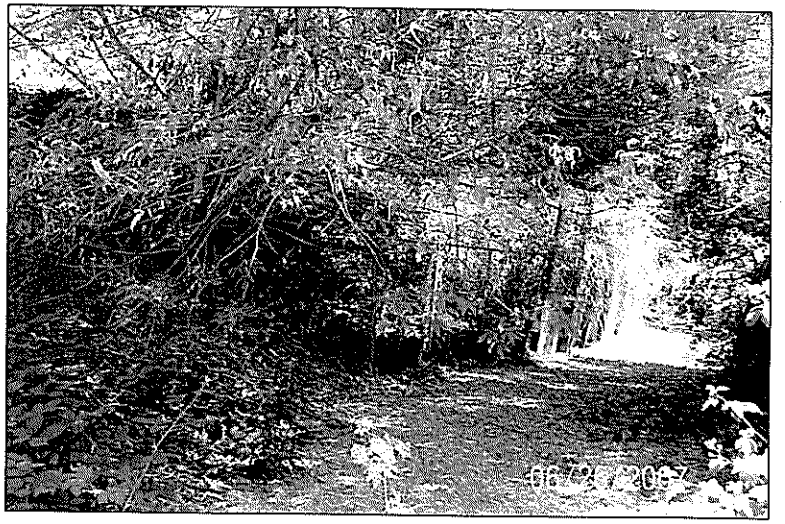
EROSION REPAIR SITE
STA 1+068 TO STA 1+081.06

SCALE	AS SHOWN
VERIFY SCALES	0 25 (BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY)
PROJECT NUMBER	1D104011
SHEET CODE:	C-9
PAGE NUMBER:	16 OF 37



PLAN

PLAN SCALE 1:75



EROSION SITE AT STA STA 1+116 TO STA 1+126

LOOKING U/S

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. SEE SHEET G-4 FOR SURVEY CONTROL INFORMATION.

DATE	ENGINEERING CERTIFICATION
08/31/07	
DESIGN	
C. CHUNG	
DRAWN	
L.P./M.S.	
CHECKED	
T. NOAH	
PROJECT ENGINEER MM-DD-YY	

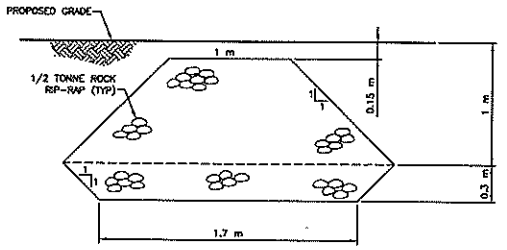
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

EROSION REPAIR SITE
STA 1+116 TO STA 1+126

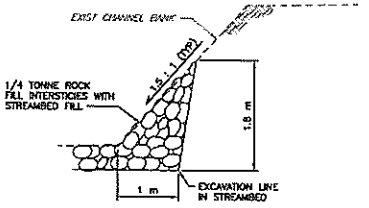
SCALE	PROJECT NUMBER
AS SHOWN	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: C-10
	PAGE NUMBER: 17 OF 37



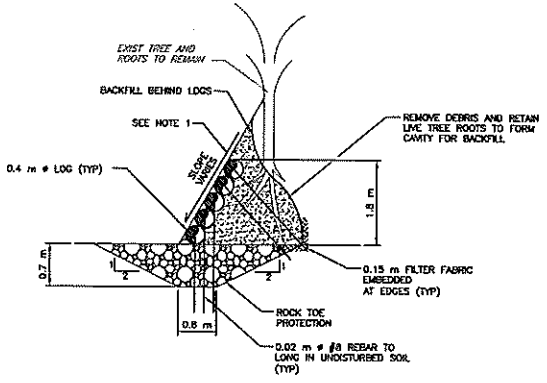
NOTE:

1. PLACE 1/2 TONNE RIP-RAP IN 0.3 m LIFTS. FILL INTERSTICIES WITH STREAMBED FILL IN EACH SUCCESSIVE LIFT. STREAMBED FILL MATERIAL TOO LARGE TO FIT IN INTERSTICIES WILL BE REMOVED FROM TOP OF GROIN BEFORE PLACEMENT OF ADDITIONAL LIFTS.

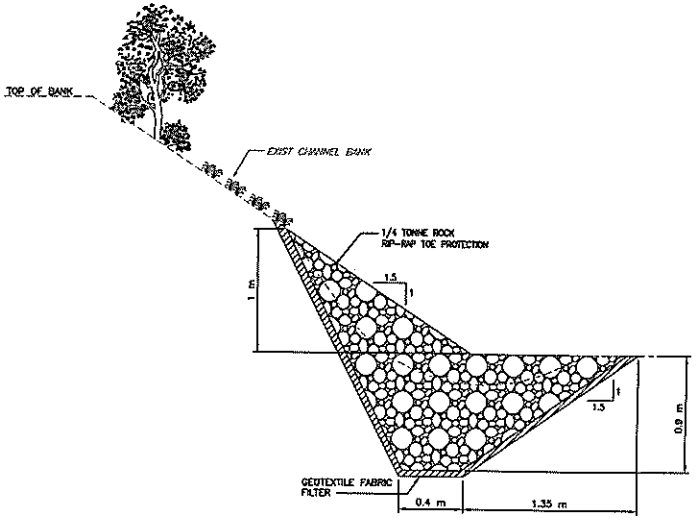
DETAIL 1 / C-1 ROCK GRADE CONTROL STRUCTURE
NTS



DETAIL 3 / C-6 ROCK KEY INTO BANK
NTS



DETAIL 2 / C-1 LOG SLOPE TO PROTECTION
NTS



DETAIL 4 / C-1 ROCK TOE PROTECTION
NTS

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

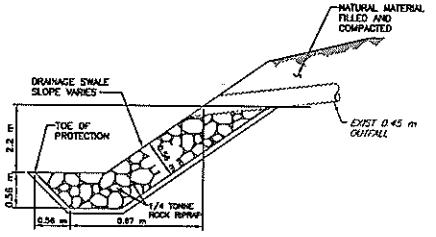
REFERENCE INFORMATION AND NOTES
1. LOG SLOPE TO MATCH EXISTING U/S AND D/S BANK SLOPES

DATE	ENGINEERING CERTIFICATION
08/31/07	
DESIGN: C. CHUNG	
DRAWN: L.P./M.S.	
CHECKED: T. NOAH	
PROJECT ENGINEER MM-DD-YY	

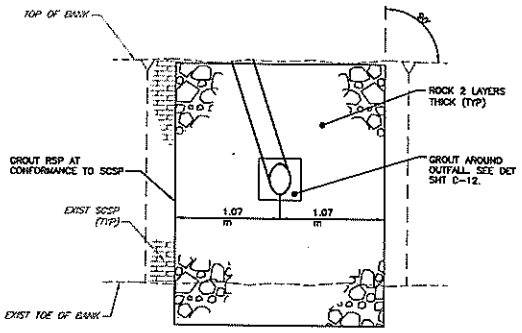
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT
MISCELLANEOUS STRUCTURE DETAILS

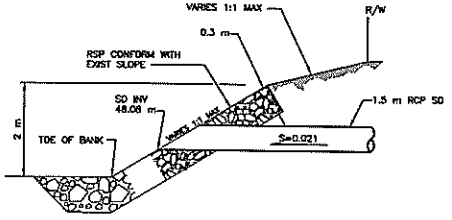
SCALE	PROJECT NUMBER
NOT TO SCALE	10104011
VERIFY SCALES: 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: C-11
	PAGE NUMBER: 18 OF 37



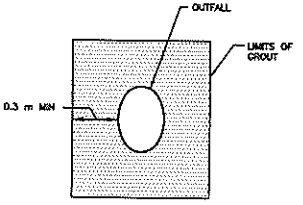
DETAIL (1 / C-2 / C-3) 0.45 m OUTFALL MODIFICATION
NTS



DETAIL (3 / C-3) OUTFALL WITH ROCK SLOPE PROTECTION
PLAN
NTS



DETAIL (2 / C-3) 1.5 m STORM DRAIN OUTFALL
NTS



DETAIL (4 / –) OUTFALL GROUT
NTS

REV.	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES
1. THE OUTFALL PIPE IS TO BE CUT OFF FLUSH WITH THE SLOPE PROTECTION.

DATE 08/31/07
DESIGN C. CHUNG
DRAWN L.P./M.S.
CHECKED T. NIGAH
ENGINEERING CERTIFICATION
PROJECT ENGINEER MM-DD-YY

Santa Clara Valley Water District

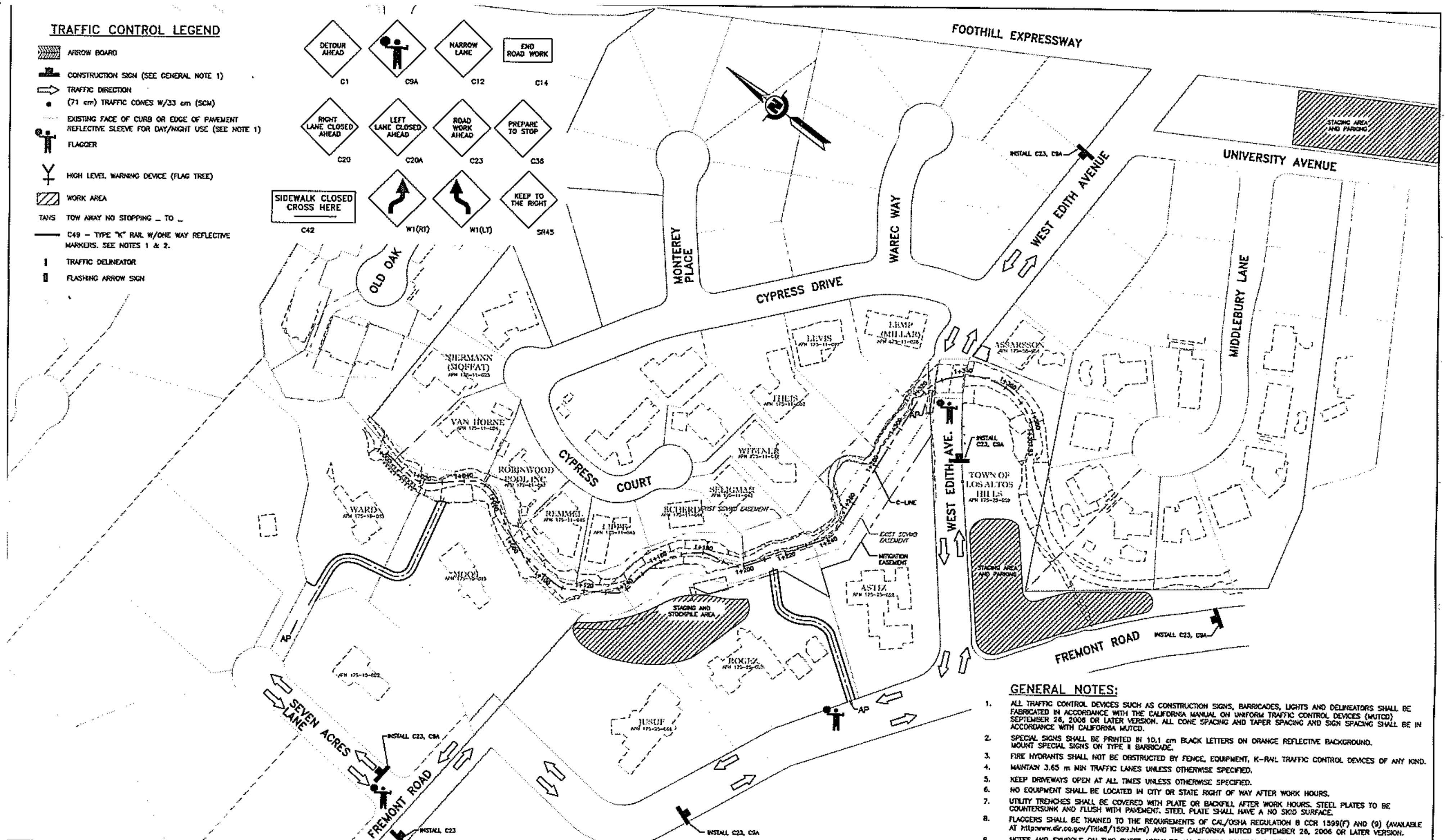
PROJECT NAME AND SHEET DESCRIPTION:
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT
STORM DRAIN OUTFALL DETAILS

SCALE NOT TO SCALE
VERIFY SCALES 0 25
BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 10104011
SHEET CODE: C-12
PAGE NUMBER: 19 OF 37

TRAFFIC CONTROL LEGEND

- ARROW BOARD
- CONSTRUCTION SIGN (SEE GENERAL NOTE 1)
- TRAFFIC DIRECTION
- (71 cm) TRAFFIC CONES W/33 cm (SCM)
- EXISTING FACE OF CURB OR EDGE OF PAVEMENT REFLECTIVE SLEEVE FOR DAY/NIGHT USE (SEE NOTE 1)
- FLAGGER
- HIGH LEVEL WARNING DEVICE (FLAG TREE)
- WORK AREA
- TANS TOW AWAY NO STOPPING _ TO _
- C49 – TYPE "K" RAIL W/ONE WAY REFLECTIVE MARKERS. SEE NOTES 1 & 2.
- TRAFFIC DELINEATOR
- FLASHING ARROW SIGN



GENERAL NOTES:

1. ALL TRAFFIC CONTROL DEVICES SUCH AS CONSTRUCTION SIGNS, BARRICADES, LIGHTS AND DELINEATORS SHALL BE FABRICATED IN ACCORDANCE WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SEPTEMBER 26, 2006 OR LATER VERSION. ALL CONE SPACING AND TAPER SPACING AND SIGN SPACING SHALL BE IN ACCORDANCE WITH CALIFORNIA MUTCD.
2. SPECIAL SIGNS SHALL BE PRINTED IN 10.1 cm BLACK LETTERS ON ORANGE REFLECTIVE BACKGROUND. MOUNT SPECIAL SIGNS ON TYPE II BARRICADE.
3. FIRE HYDRANTS SHALL NOT BE OBSTRUCTED BY FENCE, EQUIPMENT, K-RAIL TRAFFIC CONTROL DEVICES OF ANY KIND.
4. MAINTAIN 3.65 m MIN TRAFFIC LANES UNLESS OTHERWISE SPECIFIED.
5. KEEP DRIVEWAYS OPEN AT ALL TIMES UNLESS OTHERWISE SPECIFIED.
6. NO EQUIPMENT SHALL BE LOCATED IN CITY OR STATE RIGHT OF WAY AFTER WORK HOURS.
7. UTILITY TRENCHES SHALL BE COVERED WITH PLATE OR BACKFILL AFTER WORK HOURS. STEEL PLATES TO BE COUNTERSUNK AND FLUSH WITH PAVEMENT. STEEL PLATE SHALL HAVE A NO SKID SURFACE.
8. FLAGGERS SHALL BE TRAINED TO THE REQUIREMENTS OF CAL/OSHA REGULATION 8 CCR 1599(F) AND (9) (AVAILABLE AT http:www.dir.ca.gov/Title8/1599.html) AND THE CALIFORNIA MUTCD SEPTEMBER 26, 2006 OR LATER VERSION.
9. NOTES AND SYMBOLS ON THIS SHEET APPLY TO ALL TRAFFIC CONTROL SHEETS.

REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	PRELIMINARY 08-28-07			

DATE 08/31/07 · DESIGN C. CHUNG · DRAWN N. SUTO · CHECKED T. NOAH

ENGINEERING CERTIFICATION · PROJECT ENGINEER · DATE

Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

TRAFFIC CONTROL PLAN

SCALE 1:800 · VERIFY SCALES 0 25 · BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 10104011 · SHEET CODE: C-13 · PAGE NUMBER: 20 OF 37

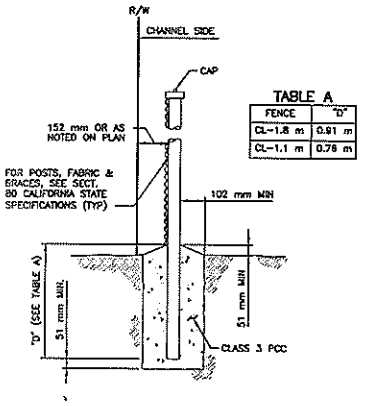
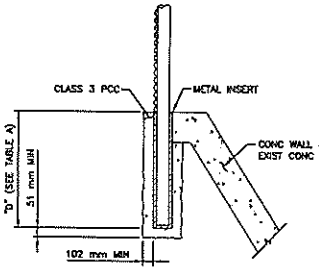


TABLE A	
FENCE	"D"
CL-1.8 m	0.91 m
CL-1.1 m	0.76 m

DETAIL 2 / C-3 IN GROUND
NTS



DETAIL 4 / C-3 ALONG VERTICAL CONCRETE WALL
NTS

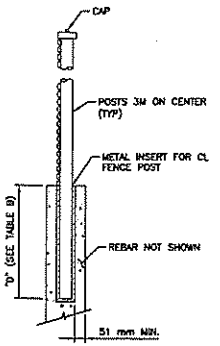
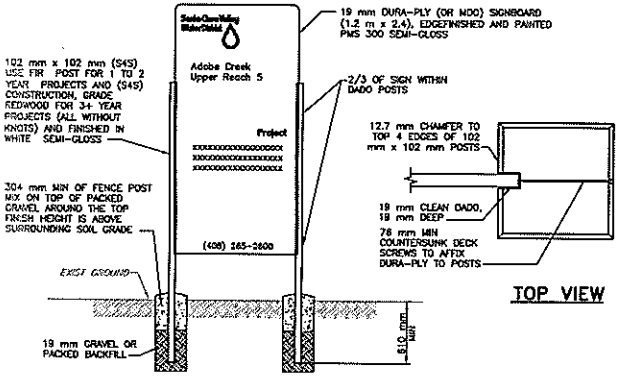


TABLE B	
FENCE	"D"
CL-1.8 m	0.81 m
CL-1.5 m	0.46 m
CL-1.1 m	0.30 m

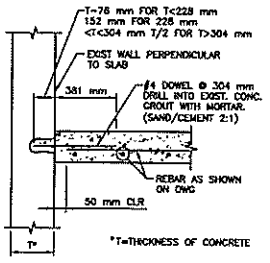
DETAIL 5 / C-3 IN CONCRETE WALL
NTS

CHAIN LINK FENCE INSTALLATION

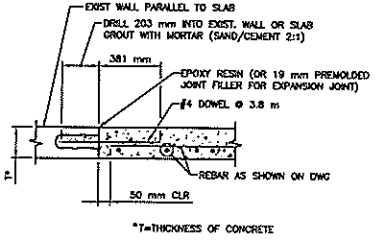


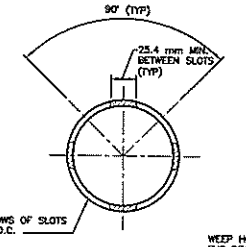
NOTES:
1. FOR SIGN LOCATION, SEE PLAN AND PROFILE SHEETS
2. CONTRACTOR TO INSTALL DISTRICT FURNISHED SIGNS, SEE SPECIFICATIONS.

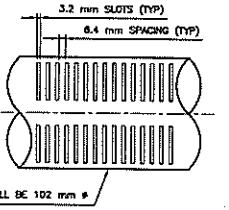
DETAIL 1 / C-5 PROJECT SIGN
NTS



DETAIL 3 / C-3 CONSTRUCTION JOINT TO EXISTING CONCRETE WINGWALL
NTS

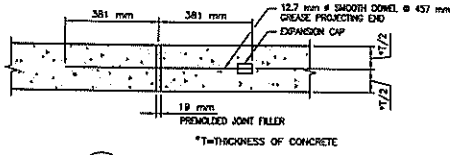




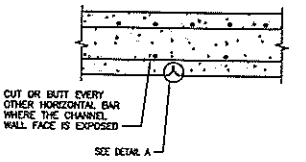


DETAIL 9 / C-3 POLYVINYL CHLORIDE (PVC) DRAIN PIPE WEEP HOLES
NTS

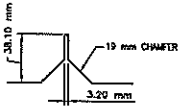
DETAIL 8 / C-3 SETTLEMENT JOINT
NTS



DETAIL 7 / C-3 EXPANSION JOINT
NTS



SECTION



DETAIL A

DETAIL 6 / C-3 CONTRACTION OR WEAKENED PLANE JOINT
NTS

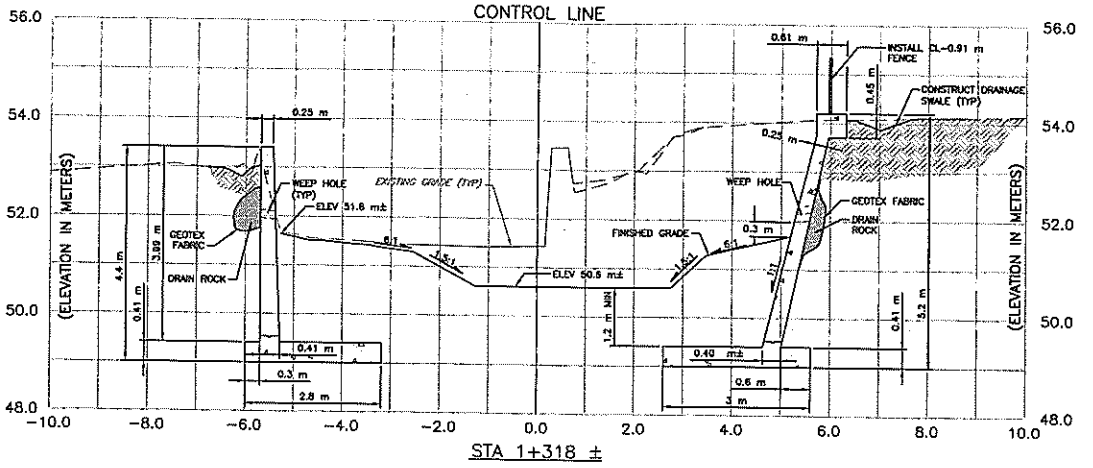
REV	DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
	PRELIMINARY 06-06-07			

DATE	ENGINEERING CERTIFICATION
06-06-07	
DESIGN	
C. CHUNG	
DRAWN	
M. SUTO	
CHECKED	
T. NOAH	PROJECT ENGINEER DATE

Santa Clara Valley Water District

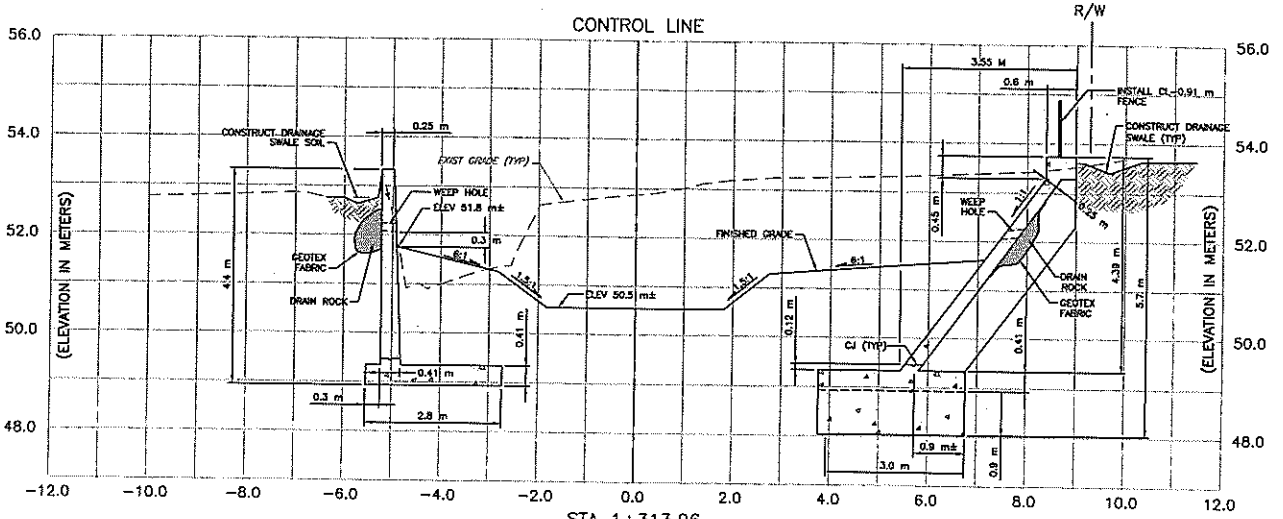
PROJECT NAME AND SHEET DESCRIPTION:
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT
STANDARD CIVIL DETAILS

SCALE	PROJECT NUMBER
NOT TO SCALE	10104011
VERIFY SCALES	SHEET CODE:
0 25	C-14
BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	PAGE NUMBER: 21 OF 37



STA 1+318 ±

SECTION B / S-1 WING WALL AT WEST EDITH AVE BRIDGE AT STA 1+318 ±
SCALE: 1:50



STA 1+313.96

SECTION A / S-1 WING WALL AT BRIDGE WALL AT STA 1+313.96
SCALE: 1:50

REV	DESCRIPTION	DATE	APPR	REFERENCE INFORMATION AND NOTES
	PRELIMINARY 08-28-07			

DATE 08-08-07
DESIGN M. NGUYEN
DRAWN L. PENILLA
CHECKED M. NGUYEN

ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER — No. 25268 Exp. 12/31/07 — CIVIL — STATE OF CALIFORNIA
PROJECT ENGINEER DATE

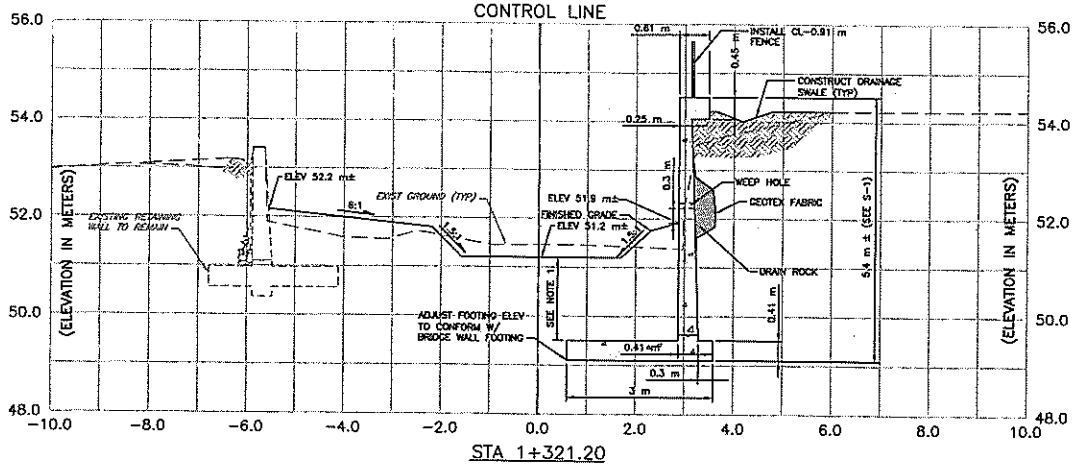
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

WINGWALL SECTIONS
STA 1+313.96 & 1+318

SCALE: AS SHOWN
VERIFY SCALES: 0 25
BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 10104011
SHEET CODE: S-1
PAGE NUMBER: 22 OF 37



SECTION C / S-1 WINGWALL AT BRIDGE WALL AT STA 1+321.20
SCALE: 1:20

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. ADJUST FOOTING ELEVATION TO MATCH WITH BRIDGE WALL FOOTING. SEE WARPED WING WALL ELEVATION DETAIL.

DATE 08-06-07
DESIGN M. NGUYEN
DRAWN L. PENILLA
CHECKED M. NGUYEN

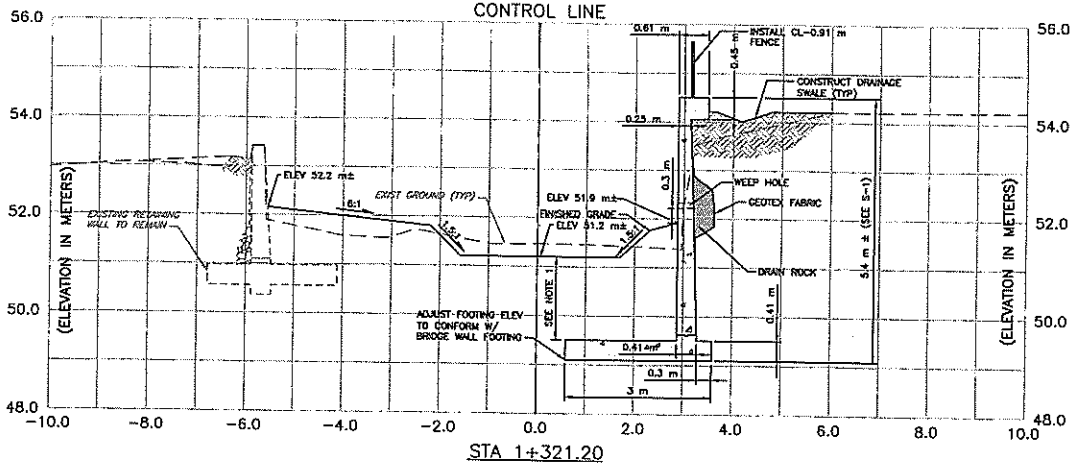
ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER — No. 35596 Exp. 12/31/07 — CIVIL — STATE OF CALIFORNIA
PROJECT ENGINEER DATE

Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT
WINGWALL SECTION STA 1+321.20

SCALE AS SHOWN
VERIFY SCALES 0 25
BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY

PROJECT NUMBER 10104011
SHEET CODE: S-2
PAGE NUMBER: 23 OF 37



SECTION C / S-1 **WINGWALL AT BRIDGE WALL AT STA 1+321.20**
SCALE: 1:20

REV	DESCRIPTION	DATE	APPR.
	PRELIMINARY 08-28-07		

REFERENCE INFORMATION AND NOTES

1. ADJUST FOOTING ELEVATION TO MATCH WITH BRIDGE WALL FOOTING. SEE WARPED WING WALL ELEVATION DETAIL.

DATE 06-06-07
DESIGN M. NGUYEN
DRAWN L. PERILLA
CHECKED M. NGUYEN

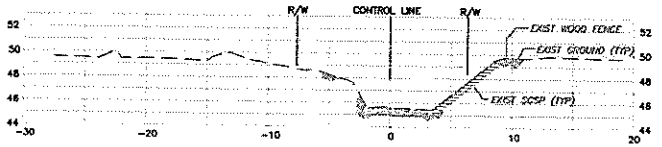
ENGINEERING CERTIFICATION
REGISTERED PROFESSIONAL ENGINEER — No. 23096, Exp. 12/31/07, Civil, STATE OF CALIFORNIA
PROJECT ENGINEER DATE

Santa Clara Valley Water District

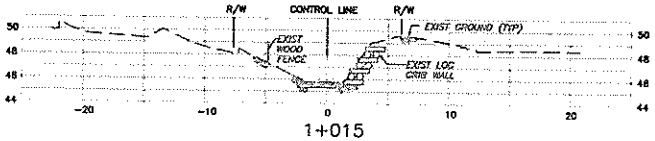
PROJECT NAME AND SHEET DESCRIPTION:
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT
WINGWALL SECTION STA 1+321.20

SCALE: AS SHOWN
VERIFY SCALES: 0 25 — BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY

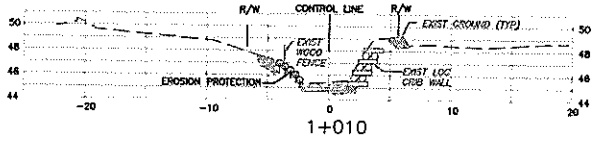
PROJECT NUMBER: 10104011
SHEET CODE: S-2
PAGE NUMBER: 23 OF 37



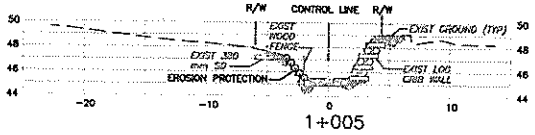
1+025



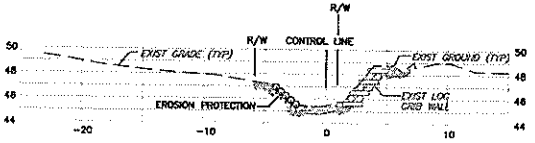
1+015



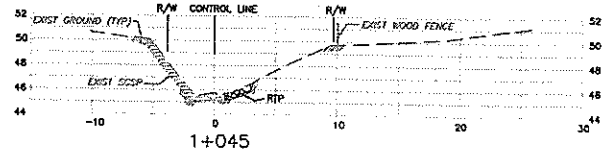
1+010



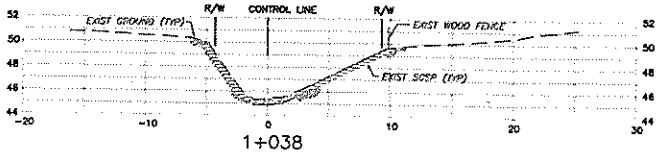
1+005



1+000



1+045



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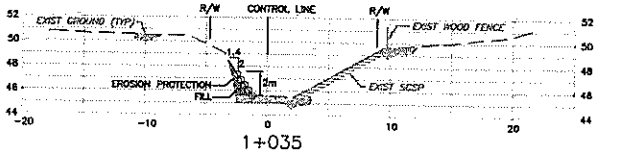

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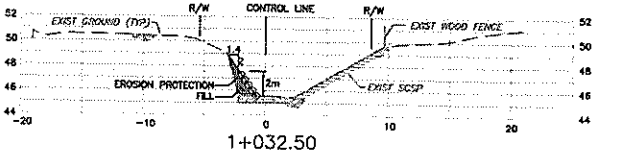

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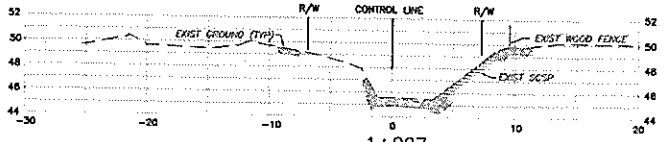


1+027

LOOKING UPSTREAM

DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
PRELIMINARY 08-28-07			

DATE	4/19/07
DESIGN	T.NOAH
DRAWN	J.CORDOVA
CHECKED	T.NOAH

ENGINEERING CERTIFICATION

PROJECT ENGINEER — 08-20-07

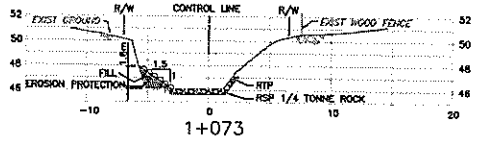
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

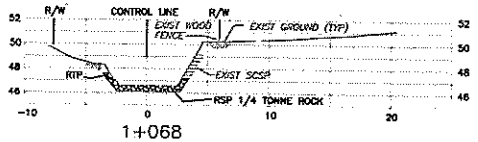
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

CROSS SECTIONS
STAT 1+000 TO STAT 1+045

SCALE	H 1:200 V 1:200
VERIFY SCALES	0 25 — BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY
PROJECT NUMBER	10104011
SHEET CODE:	X-1
PAGE NUMBER:	33 OF 37



1+073



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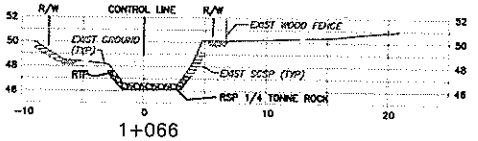

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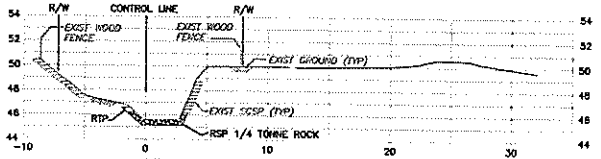

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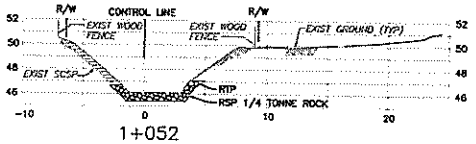
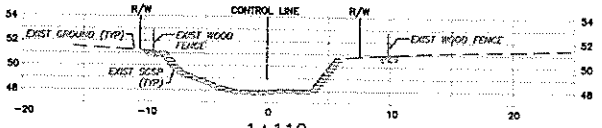
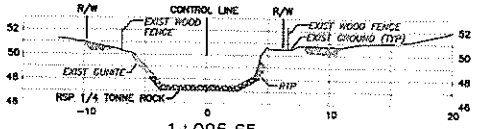


1+052



1+110



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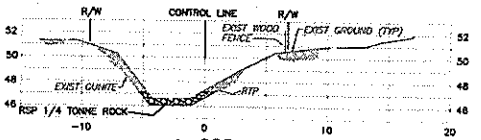

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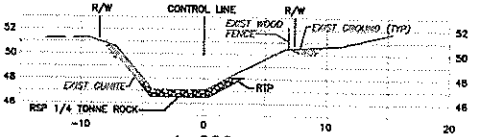

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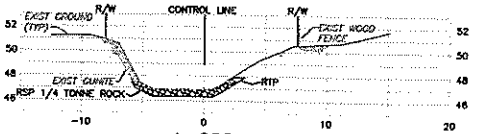


1+080

LOOKING UPSTREAM

DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
PRELIMINARY 08-28-07			

DATE	ENGINEERING CERTIFICATION
4/19/07	
DESIGN T.NOAH	
DRAWN J.CORDOVA	
CHECKED T.NOAH	
PROJECT ENGINEER MM-DD-YY	

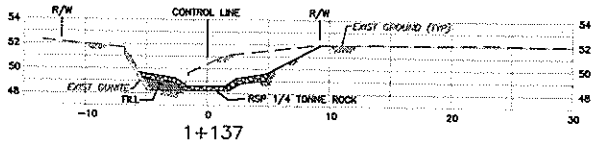
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

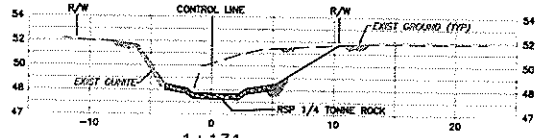
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

CROSS SECTIONS STATION 1+052 TO STATION 1+110

SCALE	PROJECT NUMBER
H 1:200 V 1:200	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: X-2
	PAGE NUMBER: 34 OF 37



1+137



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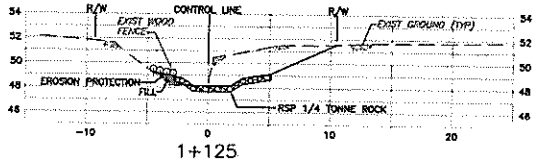
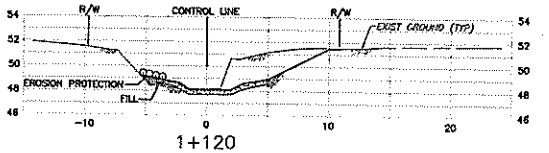
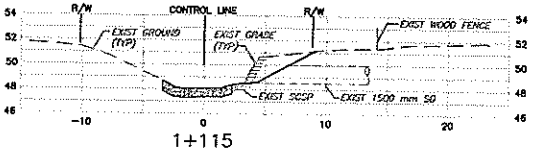


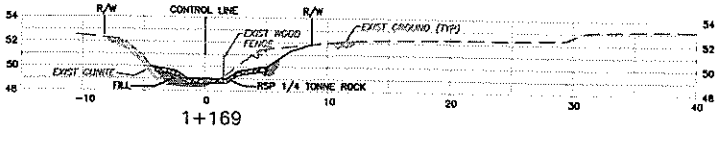
1+125



1+120



1+115



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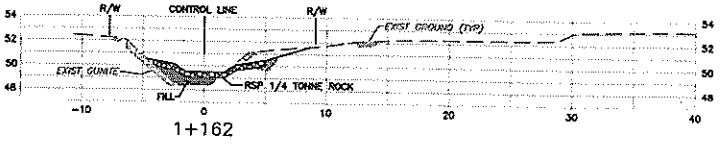
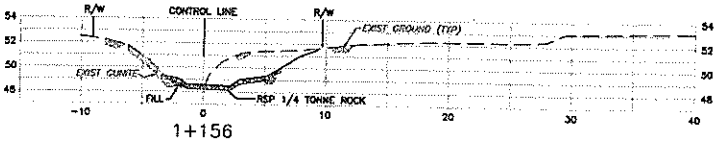


1+162



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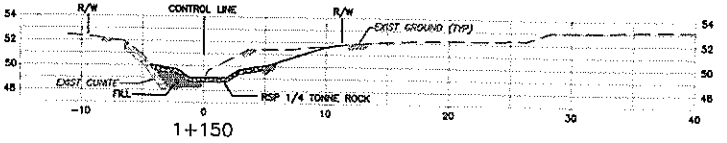

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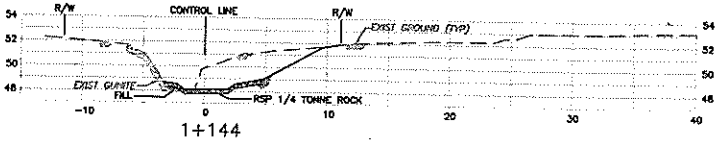


1+144

LOOKING UPSTREAM

DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
PRELIMINARY 08-28-07			

DATE	ENGINEERING CERTIFICATION
4/19/07	
DESIGN	
D. CHUNG	
DRAWN	
L. PENILLA	
CHECKED	
T.NOAH	
PROJECT ENGINEER	MM-DD-YY

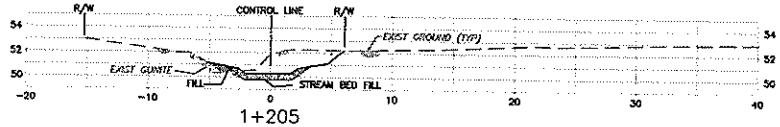
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

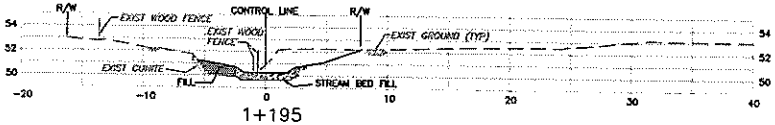
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

CROSS SECTIONS
STATION 1+115 TO STATION 1+169

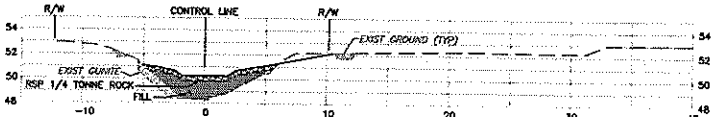
SCALE	PROJECT NUMBER
H 1:200 V 1:200	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: X-3
	PAGE NUMBER: 35 OF 37



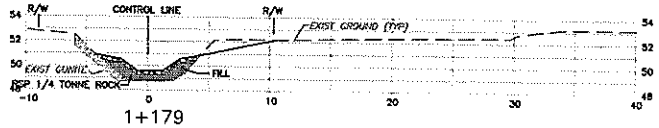
1+205



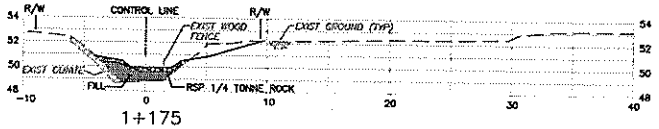
1+195



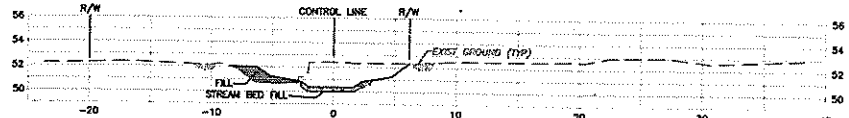
1+185



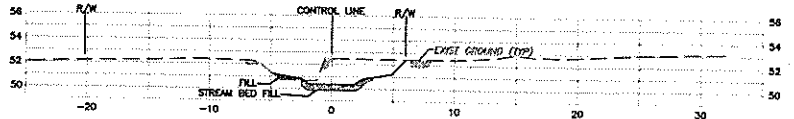
1+179



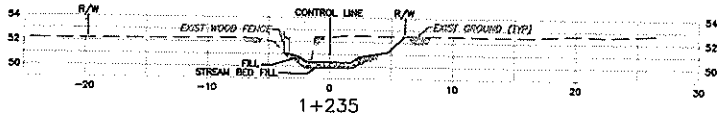
1+175



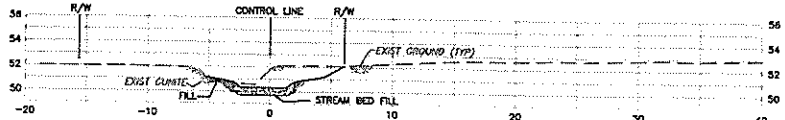
1+255



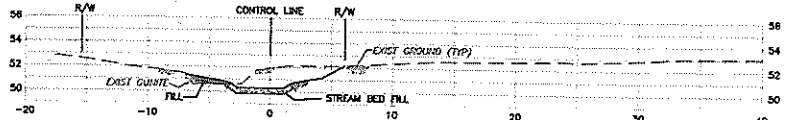
1+245



1+235



1+225



1+215

LOOKING UPSTREAM

DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
PRELIMINARY 08-28-07			

DATE	4/19/07
DESIGN	C. CHUNG
DRAWN	L. PERILLA
CHECKED	T.NOAH
PROJECT ENGINEER	MM-DD-YY

ENGINEERING CERTIFICATION

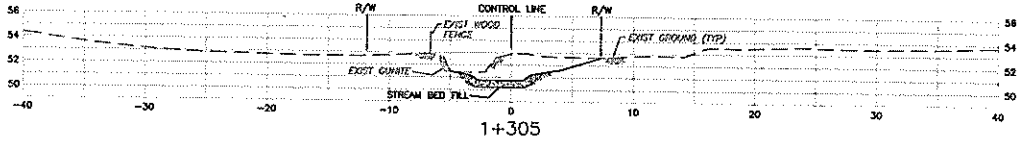
Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

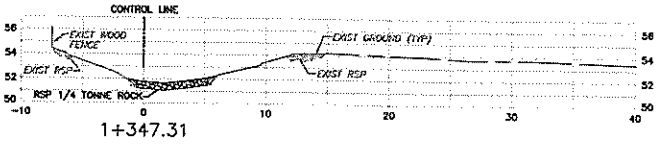
ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

CROSS SECTIONS
STATION 1+175 TO STATION 1+255

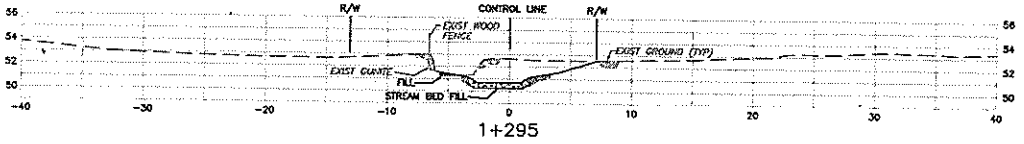
SCALE	H 1:200 V 1:200
VERIFY SCALES	0 25
	BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY
PROJECT NUMBER	10104011
SHEET CODE:	X-4
PAGE NUMBER:	36 OF 37



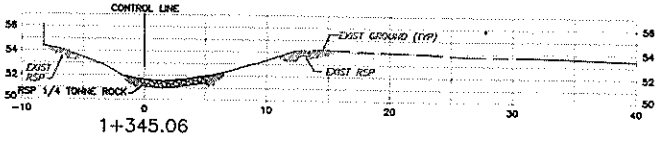
1+305



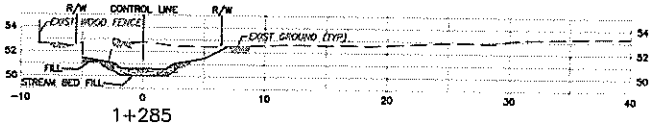
1+347.31



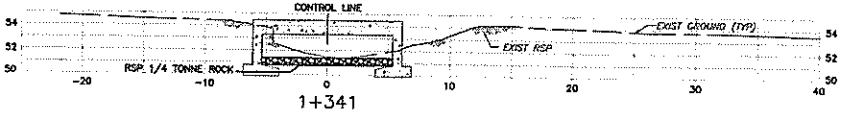
1+295



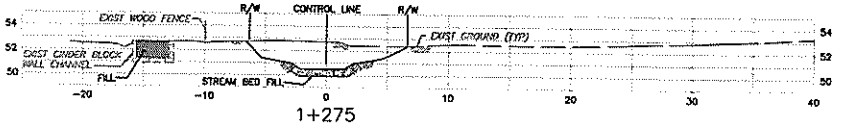
1+345.06



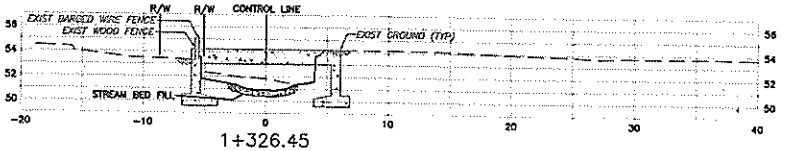
1+285



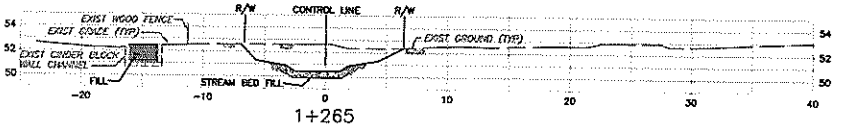
1+341



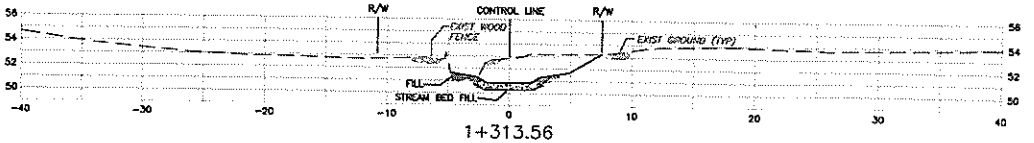
1+275



1+326.45



1+265



1+313.56

LOOKING UPSTREAM

DESCRIPTION	DATE	APPR.	REFERENCE INFORMATION AND NOTES
PRELIMINARY 08-28-07			

DATE	ENGINEERING CERTIFICATION
4/19/07	
DESIGN	
C. CHUNG	
DRAWN	
L. PENILLA	
CHECKED	
T.NOAH	
PROJECT ENGINEER	MM-DD-YY

Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

ADOBE CREEK UPPER REACH 5 RESTORATION PROJECT

CROSS SECTIONS STATION 1+265 TO STATION 1+347.31

SCALE	PROJECT NUMBER
H 1:200 V 1:200	10104011
VERIFY SCALES 0 25 BAR IS 25 MILLIMETERS ON ORIGINAL DRAWING IF NOT ADJUST SCALES ACCORDINGLY	SHEET CODE: X-5
	PAGE NUMBER: 37 OF 37